

## Appendix J COORDINATION AND CONSULTATION

This appendix contains the early notification letter distributed to the Alabama-Coushatta Tribe, as well as Federal, state and local agencies on July 20, 2012. An example of the agency coordination letter (with attachments) and the agency distribution list are included.

### J.1 Letters to Native American Tribes, Elected Officials, and Government Agencies

Each of the following tables contains a column showing the attachments that were sent with each letter.

**Table J-1 Alabama-Coushatta Tribe of Texas Mailing List**

Name	Address	Attachments
Chief Clayton Sylestine c/o Administrative Liaison Stephanie Williams	571 State Park Road Livingston, TX 77351	Houston OAPM Study Areas

**Table J-2 Elected Officials Mailing List**

Name	Title	Address	Attachments
The Honorable John Cornyn	United States Senator	5300 Memorial Drive Suite 980 Houston, TX 77007	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
The Honorable Kay Bailey Hutchinson	United States Senator	1919 Smith Street Houston, TX 77002	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
The Honorable Michael McCaul	Member, United States House of Representatives	5929 Balcones Drive Suite 305 Austin, TX 78731	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
The Honorable Ron Paul	Member, United States House of Representatives	122 West Way Suite 301 Lake Jackson, TX 77566	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
The Honorable Bill Flores	Member, United States House of Representatives	400 Austin Avenue Suite 302 Waco, TX 76710	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas



Name	Title	Address	Attachments
The Honorable Sheila Jackson Lee	Member, United States House of Representatives	1919 Smith Street Suite 1180 Houston, TX 77002	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
The Honorable Ted Poe	Member, United States House of Representatives	505 Orleans Street Suite 100 Beaumont, TX 77701	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
The Honorable Pete Olson	Member, United States House of Representatives	17225 El Camino Real Suite 447 Houston, TX 77058	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
The Honorable Lloyd Doggett	Member, United States House of Representatives	Federal Building 300 East 8th Street, #763 Austin, TX 78701	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
The Honorable Gene Greene	Member, United States House of Representatives	256 N. Sam Houston Pkwy E. Suite 29 Houston, TX 77060	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
The Honorable John Culberson	Member, United States House of Representatives	10000 Memorial Drive Suite 620 Houston, TX 77024	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
The Honorable Kevin Brady	Member, United States House of Representatives	200 River Pointe Suite 304 Conroe, TX 77304	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
The Honorable Al Green	Member, United States House of Representatives	3003 South Loop West Suite 460 Houston, TX 77054	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Mike Jackson	The Honorable	1109 Fairmont Parkway Pasadena, TX 77504	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas



Name	Title	Address	Attachments
Mr. Rodney Ellis	The Honorable	440 Louisiana Suite 575 Houston, TX 77002	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. John Whitmire	The Honorable	803 Yale Street Houston, TX 77007	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Ms. Joan Huffman	The Honorable	6217 Edloe Houston, TX 77005	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Glenn Hegar	The Honorable	P.O. Box 1008 Katy, TX 77492	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Robert Nichols	The Honorable	329 Neches Street Jacksonville, TX 75766	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Tommy Williams	The Honorable	P.O. Box 8069 The Woodlands, TX 77387	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Steve Ogden	The Honorable	P.O. Box 12068 Capitol Station Austin, TX 78711	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Mario Gallegos Jr.	The Honorable	P.O. Box 41 Galena Park, TX 77547	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Dan Patrick	The Honorable	11451 Katy Fwy Suite 209 Houston, TX 77079	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas



Name	Title	Address	Attachments
Mr. James White	Representative	2915 Atkinson Drive Lufkin, TX 75901	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Dan Huberty	Representative	4501 Magnolia Cove Suite 201 Kingwood, TX 77345	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Wayne Smith	Representative	909 Decker Drive Suite 104 Baytown, TX 77520	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mrs. Lois Kolkhorst	Representative	P.O. Box 1867 Brenham, TX 77834	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Allen Fletcher	Representative	25222 NW Freeway Building 9, Suite 199 Cypress, TX 77429	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Bill Callegari	Representative	1550 Foxlake Drive Suite 120 Houston, TX 77084	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Ms. Senfronia Thompson	Representative	10527 Homestead Road Houston, TX 77016	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Rob Eissler	Representative	P.O. Box 9494 The Woodlands, TX 77387	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Brandon Creighton	Representative	326 1/2 Main Street Suite 110 Conroe, TX 77301	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas



Name	Title	Address	Attachments
Mr. Tim Kleinschmidt	Representative	P.O. Box 868 Lexington, TX 78947	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. John Otto	Representative	P. O. Box 965 Dayton, TX 77535	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Mike "Tuffy" Hamilton	Representative	P.O. Box 119 Mauriceville, TX 77626	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Allan Ritter	Representative	P.O. Box 1265 Nederland, TX 77627	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Joe Deshotel	Representative	One Plaza Square Suite 203 Port Arthur, TX 77642	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Craig Eiland	Representative	9702 E.F. Lowery Expy Texas City, TX 77591	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Larry Taylor	Representative	174 Calder Road Suite 116 League City, TX 77573	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Dennis Bonnen	Representative	122 East Myrtle Angleton, TX 77515	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Charlie Howard	Representative	1 Fluor Daniel Building Sugar Land, TX 77478	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas



Name	Title	Address	Attachments
Mr. Ron Reynolds	Representative	2440 Texas Parkway Suite 102 Missouri City, TX 77459	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. John Zerwas	Representative	P.O. Box 434 Simonton, TX 77476	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas
Mr. Randy Weber	Representative	2225 County Road 90 Suite 107 Pearland, TX 77584	Elected Officials Contacted Federal Agencies Contacted State Agencies Contacted Local Agencies Contacted Houston OAPM Study Areas



**Table J-3 Federal Agencies Mailing List**

Agency	Name	Title	Address	Specific Request	Attachments
Advisory Council on Historic Preservation	Mr. Reid Nelson	Director, Office of Federal Agency Programs	Old Post Office Building, 1100 Pennsylvania Avenue, NW, Suite 803, Washington, DC 20004		Federal Agencies Contacted Federal Lands Inventory Historic Districts Inventory Historic Places Inventory Houston OAPM Study Areas
Advisory Council on Historic Preservation	Ms. Susan Glimcher	Director, Office of Communications, Education, and Outreach	Old Post Office Building, 1100 Pennsylvania Avenue, NW, Suite 803, Washington, DC 20004		Federal Agencies Contacted Federal Lands Inventory Historic Districts Inventory Historic Places Inventory Houston OAPM Study Areas
Environmental Protection Agency	Ms. Rhonda Smith	Chief, Office of Planning and Coordination, Region 6	Compliance Assurance and Enforcement Division, 1445 Ross Avenue, Suite 1200, Dallas, TX 75202	We expect that the Proposed Action “would result in no emissions increase or an increase in emissions that is clearly de minimis” under 40 C.F.R. § 3.153(c)(2)(xxii), and that a detailed air quality analysis will therefore not be required for the EA. Although the Proposed Action could involve some changes in aircraft operations below the mixing height, it would not change the number of aircraft operations. FAA’s preliminary evaluation indicates that the Proposed Action should result in less fuel burned, and thus lower emissions, compared to the No-Action Alternative (we will confirm during preparation of the EA). Any comments pertaining to this approach would be appreciated.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas



Agency	Name	Title	Address	Specific Request	Attachments
Environmental Protection Agency	Mr. John Macfarlane	Office of Planning and Coordination, Region 6	Compliance Assurance and Enforcement Division, 1445 Ross Avenue, Suite 1200, Dallas, TX 75202	We expect that the Proposed Action “would result in no emissions increase or an increase in emissions that is clearly de minimis” under 40 C.F.R. § 3.153(c)(2)(xxii), and that a detailed air quality analysis will therefore not be required for the EA. Although the Proposed Action could involve some changes in aircraft operations below the mixing height, it would not change the number of aircraft operations. FAA’s preliminary evaluation indicates that the Proposed Action should result in less fuel burned, and thus lower emissions, compared to the No-Action Alternative (we will confirm during preparation of the EA). Any comments pertaining to this approach would be appreciated.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
Environmental Protection Agency	Mr. Michael Jansky	NEPA Specialist, Office of Planning and Coordination, Region 6	Compliance Assurance and Enforcement Division, 1445 Ross Avenue, Suite 1200, Dallas, TX 75202	We expect that the Proposed Action “would result in no emissions increase or an increase in emissions that is clearly de minimis” under 40 C.F.R. § 3.153(c)(2)(xxii), and that a detailed air quality analysis will therefore not be required for the EA. Although the Proposed Action could involve some changes in aircraft operations below the mixing height, it would not change the number of aircraft operations. FAA’s preliminary evaluation indicates that the Proposed Action should result in less fuel burned, and thus lower emissions, compared to the No-Action Alternative (we will confirm during preparation of the EA). Any comments pertaining to this approach would be appreciated.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
National Park Service U.S. Department of the Interior	Mr. John Wessels	Intermountain Regional Director	12795 Alameda Parkway, Denver, CO 80225	that NPS review the attachments to this letter, which identify NPS units within the primary and supplemental study areas and sites listed on the National Register of Historic Places within the Primary Study Area.	Federal Agencies Contacted Federal Lands Inventory Historic Districts Inventory Historic Places Inventory Houston OAPM Study Areas



Agency	Name	Title	Address	Specific Request	Attachments
U.S Army Corp of Engineers	BG. Thomas Kula	Brigadier General, SW Division	1100 Commerce Street, Suite 831, Dallas, TX 75242-1317	that your organization provide information on recreational areas underneath the study area maintained by the USACE.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Department of Agriculture Forest Service	Mr. Marc Van Every	Forest Supervisor - National Forest and Grasslands in Texas	2221 North Raguet Street, Lufkin, TX 75904	that USDA and USFS review the attachments to this letter, which identify USDA and USFS units within the primary and supplemental study areas	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Department of the Interior	Dr. Willie Taylor	Director - Office of Environmental Policy & Compliance	1849 C Street NW, MS-2462, Washington, DC 20240	that DOI review the attachments to this letter, which identify DOI units within the primary and supplemental study areas and sites listed on the National Register of Historic Places within the Primary Study Area.	Federal Agencies Contacted Federal Lands Inventory Historic Districts Inventory Historic Places Inventory Houston OAPM Study Areas
U.S. Department of the Interior	Mr. Stephen Spencer	Regional Environmental Officer, Office of Environmental Policy and Compliance	1001 Indian School Road NW, Suite 348, Albuquerque, NM 87104	that DOI review the attachments to this letter, which identify DOI units within the primary and supplemental study areas and sites listed on the National Register of Historic Places within the Primary Study Area.	Federal Agencies Contacted Federal Lands Inventory Historic Districts Inventory Historic Places Inventory Houston OAPM Study Areas
U.S. Department of the Interior Bureau of Indian Affairs	Mr. Dan Thayer	Chief - Environmental Services Staff	Environmental Services Staff Office of Trust Responsibilities, Room 4560, Interior Building, 18th and C Street NW, Washington, DC 20245	The FAA has sent direct mailing to the Alabama-Coushatta Tribe of Texas.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Department of the Interior Bureau of Indian Affairs	Mr. Dan Deerinwater	Regional Director - Southern Plains	WCD Office Complex, P.O. Box 368, Anadarko, OK 73005		Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Department of the Interior Bureau of Land Management	Mr. Jim Moore	Planning & NEPA Coordinator	1474 Rodeo Road, Santa Fe, NM 87505	information from DOI concerning any operating units (sites) your agency may have within our study area.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas



Agency	Name	Title	Address	Specific Request	Attachments
U.S. Department of the Interior Bureau of Land Management	Ms. Melanie Barnes	Planning and Environmental Coordinator	P.O. Box 27115, Santa Fe, NM 87502		Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Fish & Wildlife Service	Dr. Benjamin Tuggle	Regional Director - Southwest Region	500 Gold Avenue SW, Albuquerque, NM 87102	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Fish & Wildlife Service	Dr. Jeff Haskins	Chief - Migratory Bird Coordinator	500 Gold Avenue SW, Albuquerque, NM 87102	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Fish & Wildlife Service	Mr. Edith Erling	Field Supervisor - Ecological Division	17629 El Camino Real, Suite 211, Houston, TX 77058	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Fish & Wildlife Service	Mr. Stuart Marcus	Trinity River NWR - Refuge Manager	P.O. Box 10015, 1351 North Main, Liberty, TX 77575	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Fish & Wildlife Service	Mr. Dean Bossert	McFaddin NWR - Refuge Manager	P.O. Box 358, 7950 S. Gulfway Drive, Sabine Pass, TX 77655	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Fish & Wildlife Service	Mr. Shaun Sanchez	Anahuac NWR - Refuge Manager; Moody NWR - Refuge Manager	P.O. Box 278, 4017 FM 563, Anahuac, TX 77514	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Fish & Wildlife Service	Mr. John Magera	Attwater Prairie Chicken NWR - Refuge Manager	P.O. Box 519, Eagle Lake, TX 77434	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas



Agency	Name	Title	Address	Specific Request	Attachments
U.S. Fish & Wildlife Service	Mr. Shane Kasson	Big Boggy NWR - Refuge Manager	6801 County Road 306 Brazoria, TX 77422	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Fish & Wildlife Service	Mr. James Dingee	Brazoria NWR - Refuge Manager	24907 FM 2004, Angleton, TX 77515	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Fish & Wildlife Service	Mr. Shane Kasson	San Bernard NWR - Refuge Manager	6801 County Road 306, Brazoria, TX 77422	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Fish & Wildlife Service	Mr. Earnest Cranwelge	Texas Point NWR - Refuge Manager	P.O. Box 358, 7950 S. Gulfway Drive, Sabine Pass, TX 77655	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Fish & Wildlife Service	Mr. Terrance Delaine	Sabine NWR - Refuge Manager	3000 Holly Beach Hwy, Hackberry, LA 70645	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
U.S. Fish & Wildlife Service	Mr. Sturat Sanchez	Moody NWR - Refuge Manager c/o Anahuac NWR	P.O. Box 278, 4017 FM 563, Anahuac, TX 77514	that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
US Air Force - FAA Southwest Region	Maj. Jamie Flanders	Department of the Air Force Representative	2601 Meacham Blvd, Room 161, Fort Worth, TX 76137	that the Air Force provide information pertaining to anticipated changes to existing or proposed operational or training airspace units (e.g., Restricted [R-] Areas; Military Operations Areas (MOAs); Controlled Firing Areas (CFAs); Alert [A-] Areas; Warning [W-] Areas; Low Altitude Tactical Navigation (LATN) Areas; Aerial Refueling routes; Military Training Routes (MTRs); Air Traffic Control, ATC Assigned Airspace (ATCAA) area;	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas



Agency	Name	Title	Address	Specific Request	Attachments
				and similar special activity airspace for which the USAF has scheduling or management responsibility."	
US Army - FAA Southwest Region	Lt. Col. Brent Castleman	Department of the Army Regional Representative	2601 Meacham Blvd, Room 161, Fort Worth, TX 76137	that the Army provide information pertaining to anticipated changes to existing or proposed operational or training airspace units (e.g., Restricted [R-] Areas; Military Operations Areas (MOAs); Controlled Firing Areas (CFAs); Alert [A-] Areas; Warning [W-] Areas; Low Altitude Tactical Navigation (LATN) Areas; Aerial Refueling routes; Military Training Routes (MTRs); Air Traffic Control, ATC Assigned Airspace (ATCAA) area; and similar special activity airspace for which the Army has scheduling or management responsibility."	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas
US Coast Guard - FAA Southwest Region	Lt. Aaron Mader	Department of the Coast Guard	1178 Ellington Field, Houston, TX 77034	that the Coast Guard provide information pertaining to anticipated changes to existing or proposed operational or training airspace units (e.g., Restricted [R-] Areas; Military Operations Areas (MOAs); Controlled Firing Areas (CFAs); Alert [A-] Areas; Warning [W-] Areas; Low Altitude Tactical Navigation (LATN) Areas; Aerial Refueling routes; Military Training Routes (MTRs); Air Traffic Control, ATC Assigned Airspace (ATCAA) area; and similar special activity airspace for which the USCG has scheduling or management responsibility."	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas



Agency	Name	Title	Address	Specific Request	Attachments
US Navy - FAA Southwest Region	Cdr. Tim Gamache	Department of the Navy Representative	ASW-930, 2601 Meacham Blvd, RM161C, Fort Worth, TX 76137	that the Navy provide information pertaining to anticipated changes to existing or proposed operational or training airspace units (e.g., Restricted [R-] Areas; Military Operations Areas (MOAs); Controlled Firing Areas (CFAs); Alert [A-] Areas; Warning [W-] Areas; Low Altitude Tactical Navigation (LATN) Areas; Aerial Refueling routes; Military Training Routes (MTRs); Air Traffic Control, ATC Assigned Airspace (ATCAA) area; and similar special activity airspace for which the USN has scheduling or management responsibility."	Federal Agencies Contacted Federal Lands Inventory Houston OAPM Study Areas

**Table J-4 State Agencies Mailing List**

Agency	Name	Title	Address	Specific Request	Attachments
Governor's Budget and Planning Office	Mr. Tod Adams	Texas State Single Point of Contact	State Insurance Building 1100 San Jacinto Blvd, Austin, TX 78711	The FAA has copied a number of agencies on this early notification package and request your review and input of the attached distribution.	State Agencies Contacted Local Agencies Contacted State Lands Inventory Houston OAPM Study Areas
Texas Commission on Environmental Quality	Ms. Patty Reeh	Regional Director - Region 9	6801 Sanger Avenue, Suite 2500, Waco, TX 76710-7826		State Agencies Contacted State Lands Inventory Houston OAPM Study Areas
Texas Commission on Environmental Quality	Ms. Heather Feldman	Regional Director - Region 10	3870 Eastex Freeway, Beaumont, TX 77703		State Agencies Contacted State Lands Inventory Houston OAPM Study Areas



Agency	Name	Title	Address	Specific Request	Attachments
Texas Commission on Environmental Quality	Ms. Linda Vasse	Regional Director - Region 12	5425 Polk Street, Suite H, Houston, TX 77023-1452		State Agencies Contacted State Lands Inventory Houston OAPM Study Areas
Texas Department of Public Safety	Mr. Steve McCraw	Director	5805 North Lamar Blvd, Austin, TX 78752-4422		State Agencies Contacted State Lands Inventory Houston OAPM Study Areas
Texas Department of Transportation	Mr. David Fulton	Aviation Director	125 East 11th Street, Austin, TX 78701		State Agencies Contacted State Lands Inventory Houston OAPM Study Areas
Texas Historical Commission	Mr. Mark Wolfe	State Historic Preservation Officer	1511 Colorado, Austin, TX 78701	that your agency review the attachments to this letter, which identify historic sites within the Primary Study Area.	State Agencies Contacted Local Agencies Contacted State Lands Inventory Historic Districts Inventory Historic Places Inventory Houston OAPM Study Areas
Texas Department of Rural Affairs	Mr. Rick Rhodes	Administrator	1700 North Congress St., 11th Floor, Austin, TX 78701		State Agencies Contacted State Lands Inventory Houston OAPM Study Areas
Texas Parks & Wildlife Department	Mr. Clayton Wolfe	Director of Wildlife	4200 Smith School Road, Austin, TX 78744-3292	information concerning any state avian "species of concern" that are present within the study area at sites /units monitored by your agency.	State Agencies Contacted State Lands Inventory Houston OAPM Study Areas



**Table J-5 Local Agencies Mailing List**

<b>Agency</b>	<b>Name</b>	<b>Title</b>	<b>Address</b>	<b>Attachments</b>
Austin County	Judge Carolyn Biliski	County Judge	One East Main Bellville, TX 77418-1521	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Brazoria County	Judge Joe King	County Judge	111 E. Locust Street, Suite 102 Angleton, TX 77515-4642	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Brazos County	Judge Duane Peters	County Judge	200 S. Texas Avenue Suite 332 Bryan, TX 77803	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Chambers County	Judge Jimmy Sylvia	County Judge	P.O. Box 939 Anahuac, TX 77514	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Fort Bend County	Dr. Robert Hebert	County Judge	301 Jackson Street Suite 719 Richmond, TX 77469	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Galveston County	Judge Mark Henry	County Judge	722 Moody Avenue Suite 200 Galveston, TX 77550	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Grimes County	Judge Betty Shiflett	County Judge	P.O. Box 160 Anderson, TX 77830	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Hardin County	Judge Billy Caraway	County Judge	300 Monroe Street Kountze, TX 77625	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Harris County	Judge Ed Emmett	County Judge	1001 Preston Suite 911 Houston, TX 77002	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Houston Airport System	Mr. Michael Marek	Operations Coordinator	4775 Will Clayton Parkway Houston, TX 77032	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Jefferson County	Judge Jeff Branick	County Judge	1149 Pearl Street Beaumont, TX 77701	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Liberty County	Judge Craig McNair	County Judge	1923 Sam Houston Street Room 201 Liberty, TX 77575	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Montgomery County	Judge Alan Sadler	County Judge	301 North Thompson Conroe, TX 77301	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Polk County	Judge John Thompson	County Judge	101 West Church Street Suite 300 Livingston, TX 77351	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
San Jacinto County	Judge Fritz Faulkner	County Judge	1 State Hwy 150 Room 5 Coldspring, TX 77331	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Tyler County	Judge Jacques Blanchette	County Judge	100 W. Bluff Woodville, TX 75979	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas



Agency	Name	Title	Address	Attachments
Walker County	Judge Danny Pierce	County Judge	1100 University Avenue Room 204 Huntsville, TX 77340	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Waller County	Judge Glen Beckendorff	County Judge	836 Austin Street Suite 203 Hempstead, TX 77445	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Washington County	Judge John Brieden	County Judge	100 East Main Suite 104 Brenham, TX 77833	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas
Wharton County	Judge Phillip Spenrath	County Judge	309 E. Milam Wharton, TX 77488	Local Agencies Contacted Historic Districts Inventory Houston OAPM Study Areas



## J.1.1 Sample Letters

### J.1.1.1 Alabama-Coushatta Tribal



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Southwest Region  
Arkansas, Louisiana,  
New Mexico, Oklahoma,  
Texas

2601 Meacham Blvd.  
Fort Worth, TX 76137

JUN 15 2012

Chief Clayton Sylestine  
C/O Administrative Liaison Stephanie Williams  
571 State Park Road  
Livingston, TX 77351

**Re: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package**

Dear Chief Sylestine:

This early notification letter is to request a consultation with the appropriate Tribal contact of the Alabama-Coushatta Tribe of Texas and to inform you that the Federal Aviation Administration (FAA) intends to prepare an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

A “metroplex” is a major metropolitan area with multiple airports, where heavy air traffic and environmental constraints combine to hinder efficient aircraft movement. The Houston OAPM project would improve the efficiency of the national airspace system in the Houston metroplex by redesigning aircraft arrival and departure procedures at a number of airports, including George Bush Intercontinental/Houston Airport (IAH) and William P. Hobby Airport (HOU). The project would involve changes in aircraft flight paths and altitudes in certain areas, but would not require any ground disturbance or increase the number of aircraft operations within southeast Texas airspace.

To evaluate potential environmental impacts of the Houston OAPM project, the FAA has established a Primary Study Area, consisting of the area within a 50 nautical mile (NM) radius of a point centered midway between IAH and HOU, to evaluate potential impacts of changes in aircraft routing that are proposed to occur below 10,000 feet above ground level (AGL). The FAA has also established a Supplemental Study Area, consisting of the area within an 85 NM radius of a point centered midway between IAH and HOU, and including portions of the Alabama-Coushatta Indian Reservation, and the Big Thicket National Preserve, to assess potential effects of changes in aircraft routing between 10,000 and 18,000 feet AGL. (See attached graphic for a depiction of the two study areas). The target date for publication of the Houston metroplex optimized procedures is December 12, 2013.





The FAA has begun preparation of the Environmental Assessment (EA) and intends to issue it in December 2012. We welcome your Tribe's input as we prepare the EA. To that end, the FAA requests a meeting between the appropriate Tribal contact and the Houston OAPM project management. The intent of this meeting is to:

Provide additional information about the Houston OAPM project and the EA;

1. Request background information that your Tribe may have regarding the study areas established for the EA;
2. Obtain an understanding of any issues, concerns, policies or regulations that your Tribe may have regarding the Houston OAPM project and environmental analysis that will be undertaken in the EA; and
3. Agree upon a designated representative for your Tribe who would serve as a point of contact for the FAA throughout the course of the EA.

To schedule the consultation meeting please contact Roger McGrath, FAA Environmental Lead for the Houston OAPM project, at the following address:

**Roger McGrath, Environmental Specialist**  
**Operations Support Group, AJV-C2**  
**2601 Meacham Boulevard**  
**Fort Worth, TX 76137**  
**(817) 321-7735 (Telephone)**  
**(817) 321-7744 (FAX)**  
**E-mail address for comments: 9-ASW-HoustonOAPMcomment@faa.gov**

Thank you for your consideration of this request. The FAA looks forward to working with the Alabama-Coushatta Tribe of Texas on this EA. If you have any questions about the information provided, please feel free to contact Mr. McGrath at 817-321-7735.

Sincerely,



Teresa A. Bruner  
Regional Administrator,  
Southwest Region

Enclosure

cc:  
Roger McGrath  
Airspace and Environmental Specialist  
ATO Central Service Center, Operations Support Group







### J.1.1.2 Elected Officials



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

July 25, 2012

The Honorable John Cornyn  
United States Senator  
5300 Memorial Drive, Suite 980  
Houston, TX 77007

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package**

Dear Senator John Cornyn

This early notification letter is to inform you that the Federal Aviation Administration (FAA) intends to prepare an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

A "metroplex" is a major metropolitan area with multiple airports, where heavy air traffic and environmental constraints combine to hinder efficient aircraft movement. The Houston OAPM project would improve the efficiency of the national airspace system in the Houston metroplex by optimizing aircraft arrival and departure procedures at a number of airports, including George Bush Intercontinental Airport (IAH) and William P. Hobby Airport (HOU). The project would involve changes in aircraft flight paths and altitudes in certain areas, but would not require any ground disturbance or increase the number of aircraft operations within southeast Texas airspace.

To evaluate potential environmental impacts of the Houston OAPM project, the FAA has established a Primary Study Area, consisting of the area within a 50 nautical mile radius of a point midway between IAH and HOU, to evaluate potential impacts of changes in aircraft routing that are proposed to occur below 10,000 feet above ground level (AGL). The following 19 counties, in part or in whole, are in the Primary Study area: Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Grimes, Hardin, Harris, Jefferson, Liberty, Matagorda, Montgomery, Polk, San Jacinto, Walker, Waller, Washington, and Wharton. The FAA has also established a Supplemental Study Area, consisting of the area within an 85 nautical mile radius of a point midway between IAH and HOU, to assess potential effects of changes in aircraft routing between 10,000 and 18,000 feet AGL. The Supplemental Study Area includes the 19 counties in the Primary Study Area plus an additional 16 Texas counties and two Louisiana parishes (in part or in whole, 35 counties and two parishes total). These include: Angelina, Brazos, Burleson, Fayette, Houston, Jackson, Jasper, Lavaca, Lee, Leon, Madison, Newton, Orange, Robertson, Trinity, Tyler, Calcasieu (Louisiana), Cameron (Louisiana). (See attached graphic for a depiction of the two study areas).

The FAA has begun preparation of the Environmental Assessment (EA) and intends to issue it in December 2012. The target date for publication of the Houston metroplex optimized procedures is December 12, 2013. We welcome your input as we prepare the EA. We are sending this early notification letter for the following reasons:

1. To advise you of the initiation of the EA study;



7/25/2012

2

2. To request any background information that you may have regarding the study areas established for this EA; and
3. To obtain an understanding of any issues or concerns you may have regarding the environmental analysis that will be undertaken in the EA.

The FAA has copied a number of agencies and elected officials on this early notification package and welcomes your input on the attached distribution lists. Additional information is available at the following website: <http://www.oapmenvironmental.com/>. Notices will be published in various newspapers during the next two weeks.

If you desire to provide comments to help us frame the environmental analysis, please provide them by letter or email, before August 20, 2012, to the following address:

**Roger McGrath, Environmental Specialist**  
**Operations Support Group**  
**2601 Meacham Boulevard**  
**Fort Worth, TX 76137**  
**(817) 321-7735 (tel)**  
**(817) 321-7744 (fax)**  
**e-mail address for comments:**  
**9-ASW-HoustonOAPMcomment@faa.gov**

The FAA would like to thank you for your interest in this project and we look forward to working with you on this EA. If you have any questions about the information provided, please feel free to contact me.

Sincerely,



Roger McGrath  
Airspace and Environmental Specialist

Attachments:  
Elected Officials Contacted  
Federal Agencies Contacted  
State Agencies Contacted  
Local Agencies Contacted  
Houston OAPM EA Study Area



### J.1.1.3 All Agencies



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

July 20, 2012

Mr. John Wessels, Intermountain Regional Director  
National Park Service U.S. Department of the Interior  
12795 Alameda Parkway  
Denver, CO 80225

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package**

Mr. John Wessels,

This early notification letter is to inform you that the Federal Aviation Administration (FAA) intends to prepare an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

A "metroplex" is a major metropolitan area with multiple airports, where heavy air traffic and environmental constraints combine to hinder efficient aircraft movement. The Houston OAPM project would improve the efficiency of the national airspace system in the Houston metroplex by optimizing aircraft arrival and departure procedures at a number of airports, including George Bush Intercontinental Airport (IAH) and William P. Hobby Airport (HOU). The project would involve changes in aircraft flight paths and altitudes in certain areas, but would not require any ground disturbance or increase the number of aircraft operations within southeast Texas airspace.

To evaluate potential environmental impacts of the Houston OAPM project, the FAA has established a Primary Study Area, consisting of the area within a 50 nautical mile radius of a point midway between IAH and HOU, to evaluate potential impacts of changes in aircraft routing that are proposed to occur below 10,000 feet above ground level (AGL). The following 19 counties, in part or in whole, are in the Primary Study area: Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Grimes, Hardin, Harris, Jefferson, Liberty, Matagorda, Montgomery, Polk, San Jacinto, Walker, Waller, Washington, and Wharton. The FAA has also established a Supplemental Study Area, consisting of the area within an 85 nautical mile radius of a point midway between IAH and HOU, to assess potential effects of changes in aircraft routing between 10,000 and 18,000 feet AGL. The Supplemental Study Area includes the 19 counties in the Primary Study Area plus an additional 16 Texas counties and two Louisiana parishes (in part or in whole, 35 counties and two parishes total). These include: Angelina, Brazos, Burleson, Fayette, Houston, Jackson, Jasper, Lavaca, Lee, Leon, Madison, Newton, Orange, Robertson, Trinity, Tyler, Calcasieu (Louisiana), Cameron (Louisiana). (See attached graphic for a depiction of the two study areas).

The FAA has begun preparation of the Environmental Assessment (EA) and intends to issue it in December 2012. The target date for publication of the Houston metroplex optimized procedures is December 12, 2013. We welcome your agency's input as we prepare the EA and we are sending this early notification letter for the following reasons:

1. To advise you of the initiation of the EA study



7/20/2012

2

2. To request any background information that your agency may have regarding the study areas established for this EA
3. To obtain an understanding of any issues, concerns, policies or regulations that your agency may have regarding the environmental analysis that will be undertaken in the EA, and
4. To request that NPS review the attachments to this letter, which identify NPS units within the primary and supplemental study areas and sites listed on the National Register of Historic Places within the Primary Study Area.

In order to streamline data acquisition and reduce duplication of effort for each of the federal, state, and local agencies that could be involved in this National Environmental Policy Act (NEPA) process, we request that you or your designated representative provide FAA with the appropriate contact information and act as a single point of contact with your agency throughout the course of the EA study. This would entail disseminating information to the appropriate departments or individuals, and acting as the agency's coordinator for providing input to the study and consolidating comments on the study materials.

If you desire to provide comments to help us frame the environmental analysis, please provide them by letter or email, before August 20, 2012, at the following address:

**Roger McGrath, Environmental Specialist**  
**Operations Support Group**  
**2601 Meacham Boulevard**  
**Fort Worth, TX 76137**  
**(817) 321-7735 (tel)**  
**(817) 321-7744 (fax)**  
**e-mail address for comments:**  
**9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA. If you have any questions about the information provided, please feel free to contact me.

Sincerely,



Roger McGrath  
Airspace and Environmental Specialist

Attachments:  
Federal Agencies Contacted  
Federal Lands Inventory  
Houston OAPM EA Study Areas



#### J.1.1.4 Environmental Protection Agency



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

July 20, 2012

Ms. Rhonda Smith, Chief, Office of Planning and Coordination, Region 6  
Environmental Protection Agency  
Compliance Assurance and Enforcement Division, 1445 Ross Avenue, Ste 1200  
Dallas, TX 75202

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package**

Ms. Rhonda Smith,

This early notification letter is to inform you that the Federal Aviation Administration (FAA) intends to prepare an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

A "metroplex" is a major metropolitan area with multiple airports, where heavy air traffic and environmental constraints combine to hinder efficient aircraft movement. The Houston OAPM project would improve the efficiency of the national airspace system in the Houston metroplex by optimizing aircraft arrival and departure procedures at a number of airports, including George Bush Intercontinental Airport (IAH) and William P. Hobby Airport (HOU). The project would involve changes in aircraft flight paths and altitudes in certain areas, but would not require any ground disturbance or increase the number of aircraft operations within southeast Texas airspace.

To evaluate potential environmental impacts of the Houston OAPM project, the FAA has established a Primary Study Area, consisting of the area within a 50 nautical mile radius of a point midway between IAH and HOU, to evaluate potential impacts of changes in aircraft routing that are proposed to occur below 10,000 feet above ground level (AGL). The following 19 counties, in part or in whole, are in the Primary Study area: Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Grimes, Hardin, Harris, Jefferson, Liberty, Matagorda, Montgomery, Polk, San Jacinto, Walker, Waller, Washington, and Wharton. The FAA has also established a Supplemental Study Area, consisting of the area within an 85 nautical mile radius of a point midway between IAH and HOU, to assess potential effects of changes in aircraft routing between 10,000 and 18,000 feet AGL. The Supplemental Study Area includes the 19 counties in the Primary Study Area plus an additional 16 Texas counties and two Louisiana parishes (in part or in whole, 35 counties and two parishes total). These include: Angelina, Brazos, Burleson, Fayette, Houston, Jackson, Jasper, Lavaca, Lee, Leon, Madison, Newton, Orange, Robertson, Trinity, Tyler, Calcasieu (Louisiana), Cameron (Louisiana). (See attached graphic for a depiction of the two study areas).

The FAA has begun preparation of the Environmental Assessment (EA) and intends to issue it in December 2012. The target date for publication of the Houston metroplex optimized procedures is December 12, 2013. We welcome your agency's input as we prepare the EA and we are sending this early notification letter for the following reasons:

1. To advise you of the initiation of the EA study
2. To request any background information that your agency may have regarding the study areas established for this EA, and
3. To obtain an understanding of any issues, concerns, policies or regulations that your agency may have regarding the environmental analysis that will be undertaken in the EA.



7/20/2012

2

We expect that the Proposed Action “would result in no emissions increase or an increase in emissions that is clearly de minimis” under 40 C.F.R. § 3.153(c)(2)(xxii), and that a detailed air quality analysis will therefore not be required for the EA. Although the Proposed Action could involve some changes in aircraft operations below the mixing height,<sup>1</sup> it would not change the number of aircraft operations. FAA’s preliminary evaluation indicates that the Proposed Action should result in less fuel burned, and thus lower emissions, compared to the No-Action Alternative (we will confirm during preparation of the EA). Any comments pertaining to this approach would be appreciated.

In order to streamline data acquisition and reduce duplication of effort for each of the federal, state, and local agencies that could be involved in this National Environmental Policy Act (NEPA) process, we request that you or your designated representative provide FAA with the appropriate contact information and act as a single point of contact with your agency throughout the course of the EA study. This would entail disseminating information to the appropriate departments or individuals, and acting as the agency’s coordinator for providing input to the study and consolidating comments on the study materials.

If you desire to provide comments to help us frame the environmental analysis, please provide them by letter or email, before August 20, 2012, at the following address:

**Roger McGrath, Environmental Specialist**  
**Operations Support Group**  
**2601 Meacham Boulevard**  
**Fort Worth, TX 76137**  
**(817) 321-7735 (tel)**  
**(817) 321-7744 (fax)**  
**e-mail address for comments:**  
**9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA. If you have any questions about the information provided, please feel free to contact me.

Sincerely,



Roger McGrath  
Airspace and Environmental Specialist

Attachments:  
Federal Agencies Contacted  
Federal Lands Inventory  
Houston OAPM EA Study Areas

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<sup>1</sup> Our review of the Texas State Implementation Plan for the Houston-Galveston-Brazoria (HGB) area indicates that the mixing height is assumed to be 3,000 ft consistent with the TCEQ photochemical modeling of the HGB non-attainment area. HGB RFP SIP Revision for the 1997 Eight-Hour Ozone Standard (Project No. 2009-018-SIP-NR), adopted 03/10/2010, Appendix 5  
[http://www.tceq.texas.gov/airquality/sip/HGB\\_eight\\_hour.html](http://www.tceq.texas.gov/airquality/sip/HGB_eight_hour.html)  
[http://www.tceq.state.tx.us/assets/public/implementation/air/sip/hgb/hgb\\_sip\\_2009/09018SIP\\_APP5\\_ado.pdf](http://www.tceq.state.tx.us/assets/public/implementation/air/sip/hgb/hgb_sip_2009/09018SIP_APP5_ado.pdf)



### J.1.1.5 DOI Indian Affairs, Governors Planning Office



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

July 20, 2012

Mr. Dan Thayer, Chief - Environmental Services Staff  
U.S. Department of the Interior Bureau of Indian Affairs  
Environmental Services Staff Office of Trust Responsibilities Room 4560  
Interior Building, 18<sup>th</sup> and C Street NW  
Washington, DC 20245

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package**

Mr. Dan Thayer,

This early notification letter is to inform you that the Federal Aviation Administration (FAA) intends to prepare an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

A “metroplex” is a major metropolitan area with multiple airports, where heavy air traffic and environmental constraints combine to hinder efficient aircraft movement. The Houston OAPM project would improve the efficiency of the national airspace system in the Houston metroplex by optimizing aircraft arrival and departure procedures at a number of airports, including George Bush Intercontinental Airport (IAH) and William P. Hobby Airport (HOU). The project would involve changes in aircraft flight paths and altitudes in certain areas, but would not require any ground disturbance or increase the number of aircraft operations within southeast Texas airspace.

To evaluate potential environmental impacts of the Houston OAPM project, the FAA has established a Primary Study Area, consisting of the area within a 50 nautical mile radius of a point midway between IAH and HOU, to evaluate potential impacts of changes in aircraft routing that are proposed to occur below 10,000 feet above ground level (AGL). The following 19 counties, in part or in whole, are in the Primary Study area: Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Grimes, Hardin, Harris, Jefferson, Liberty, Matagorda, Montgomery, Polk, San Jacinto, Walker, Waller, Washington, and Wharton. The FAA has also established a Supplemental Study Area, consisting of the area within an 85 nautical mile radius of a point midway between IAH and HOU, to assess potential effects of changes in aircraft routing between 10,000 and 18,000 feet AGL. The Supplemental Study Area includes the 19 counties in the Primary Study Area plus an additional 16 Texas counties and two Louisiana parishes (in part or in whole, 35 counties and two parishes total). These include: Angelina, Brazos, Burleson, Fayette, Houston, Jackson, Jasper, Lavaca, Lee, Leon, Madison, Newton, Orange, Robertson, Trinity, Tyler, Calcasieu (Louisiana), Cameron (Louisiana). (See attached graphic for a depiction of the two study areas).

The FAA has begun preparation of the Environmental Assessment (EA) and intends to issue it in December 2012. The target date for publication of the Houston metroplex optimized procedures is December 12, 2013. We welcome your agency’s input as we prepare the EA and we are sending this early notification letter for the following reasons:

1. To advise you of the initiation of the EA study



7/20/2012

2

2. To request any background information that your agency may have regarding the study areas established for this EA
3. To obtain an understanding of any issues, concerns, policies or regulations that your agency may have regarding the environmental analysis that will be undertaken in the EA, and
4. The FAA has sent direct mailing to the Alabama-Coushatta Tribe of Texas.

In order to streamline data acquisition and reduce duplication of effort for each of the federal, state, and local agencies that could be involved in this National Environmental Policy Act (NEPA) process, we request that you or your designated representative provide FAA with the appropriate contact information and act as a single point of contact with your agency throughout the course of the EA study. This would entail disseminating information to the appropriate departments or individuals, and acting as the agency's coordinator for providing input to the study and consolidating comments on the study materials.

If you desire to provide comments to help us frame the environmental analysis, please provide them by letter or email, before August 20, 2012, at the following address:

**Roger McGrath, Environmental Specialist**  
**Operations Support Group**  
**2601 Meacham Boulevard**  
**Fort Worth, TX 76137**  
**(817) 321-7735 (tel)**  
**(817) 321-7744 (fax)**  
**e-mail address for comments:**  
**9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA. If you have any questions about the information provided, please feel free to contact me.

Sincerely,



Roger McGrath  
Airspace and Environmental Specialist

Attachments:  
Federal Agencies Contacted  
Federal Lands Inventory  
Houston OAPM EA Study Areas



#### **J.1.1.6 Supplemental Letters**

This section presents additional letters sent between August 1, 2012 and August 28, 2012.





U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

August 1, 2012

Mr. Tod Adams, Texas State Single Point of Contact  
Governor's Budget and Planning Office  
State Insurance Building 1100 San Jacinto Blvd  
Austin, TX 78711

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package  
Errata**

Dear Mr. Tod Adams

You received a letter dated July 20, 2012 regarding an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

Please consider the enclosed attachment as part of my July 20, 2012 letter.

If you have any questions about the information provided, please feel free to contact me.

**Roger McGrath, Environmental Specialist  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, TX 76137  
(817) 321-7735 (tel)  
(817) 321-7744 (fax)  
e-mail address for comments:  
9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA.

Sincerely,

Roger McGrath  
Airspace and Environmental Specialist

Attachment:  
Local Agencies Contacted





U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

August 1, 2012

Ms. Susan Glimcher, Director, Office of Communications, Education, and Outreach  
Advisory Council on Historic Preservation  
Old Post Office Bldg., 1100 Pennsylvania Avenue, NW, Suite 803  
Washington, DC 20004

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package  
Errata**

Dear Ms. Susan Glimcher

You received a letter dated July 20, 2012 regarding an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

Please consider the enclosed attachment as part of my July 20, 2012 letter.

If you have any questions about the information provided, please feel free to contact me.

**Roger McGrath, Environmental Specialist  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, TX 76137  
(817) 321-7735 (tel)  
(817) 321-7744 (fax)  
e-mail address for comments:  
9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA.

Sincerely,

Roger McGrath  
Airspace and Environmental Specialist

Attachment:  
Historic Places Inventory





U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

August 1, 2012

Mr. Reid Nelson, Director, Office of Federal Agency Programs  
Advisory Council on Historic Preservation  
Old Post Office Bldg., 1100 Pennsylvania Avenue, NW, Suite 803  
Washington, DC 20004

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package  
Errata**

Dear Mr. Reid Nelson

You received a letter dated July 20, 2012 regarding an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

Please consider the enclosed attachment as part of my July 20, 2012 letter.

If you have any questions about the information provided, please feel free to contact me.

**Roger McGrath, Environmental Specialist  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, TX 76137  
(817) 321-7735 (tel)  
(817) 321-7744 (fax)  
e-mail address for comments:  
9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA.

Sincerely,

Roger McGrath  
Airspace and Environmental Specialist

Attachment:  
Historic Places Inventory





U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

August 1, 2012

Mr. Stephen Spencer, Regional Environmental Officer  
Office of Environmental Policy and Compliance  
U.S. Department of the Interior  
1001 Indian School Road, NW, Suite 348  
Albuquerque, NM 87104

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package  
Errata**

Dear Mr. Stephen Spencer

You received a letter dated July 20, 2012 regarding an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

Please consider the enclosed attachments as part of my July 20, 2012 letter.

If you have any questions about the information provided, please feel free to contact me.

**Roger McGrath, Environmental Specialist  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, TX 76137  
(817) 321-7735 (tel)  
(817) 321-7744 (fax)  
e-mail address for comments:  
9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA.

Sincerely,

Roger McGrath  
Airspace and Environmental Specialist

Attachments:  
Historic Districts Inventory  
Historic Places Inventory





U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

August 1, 2012

Dr. Willie Taylor, Director - Office of Environmental Policy & Compliance  
U.S. Department of the Interior  
1849 C Street, NW MS-2462  
Washington, D.C. 20240

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package  
Errata**

Dear Dr. Willie Taylor

You received a letter dated July 20, 2012 regarding an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

Please consider the enclosed attachments as part of my July 20, 2012 letter.

If you have any questions about the information provided, please feel free to contact me.

**Roger McGrath, Environmental Specialist  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, TX 76137  
(817) 321-7735 (tel)  
(817) 321-7744 (fax)  
e-mail address for comments:  
9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA.

Sincerely,

Roger McGrath  
Airspace and Environmental Specialist

Attachments:  
Historic Districts Inventory  
Historic Places Inventory





U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

August 1, 2012

Mr. John Wessels, Intermountain Regional Director  
National Park Service U.S. Department of the Interior  
12795 Alameda Parkway  
Denver, CO 80225

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package  
Errata**

Dear Mr. John Wessels

You received a letter dated July 20, 2012 regarding an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

Please consider the enclosed attachments as part of my July 20, 2012 letter.

If you have any questions about the information provided, please feel free to contact me.

**Roger McGrath, Environmental Specialist  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, TX 76137  
(817) 321-7735 (tel)  
(817) 321-7744 (fax)  
e-mail address for comments:  
9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA.

Sincerely,

Roger McGrath  
Airspace and Environmental Specialist

Attachments:  
Historic Districts Inventory  
Historic Places Inventory





U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

August 1, 2012

Mr. Mark Wolfe, State Historic Preservation Officer  
Texas Historical Commission  
1511 Colorado  
Austin, TX 78701

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package  
Errata**

Dear Mr. Mark Wolfe

You received a letter dated July 20, 2012 regarding an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

Please consider the enclosed attachments as part of my July 20, 2012 letter.

If you have any questions about the information provided, please feel free to contact me.

**Roger McGrath, Environmental Specialist  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, TX 76137  
(817) 321-7735 (tel)  
(817) 321-7744 (fax)  
e-mail address for comments:  
9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA.

Sincerely,

Roger McGrath  
Airspace and Environmental Specialist

Attachments:  
Historic Places Inventory  
Local Agencies Contacted





U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

August 28, 2012

Ms. Melanie Barnes  
Planning and Environmental Coordinator  
U.S. Department of the Interior, Bureau of Land Management  
P.O. Box 27115  
Santa Fe, NM 87502

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package**

Dear Ms. Barnes,

This early notification letter is to inform you that the Federal Aviation Administration (FAA) intends to prepare an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

A “metroplex” is a major metropolitan area with multiple airports, where heavy air traffic and environmental constraints combine to hinder efficient aircraft movement. The Houston OAPM project would improve the efficiency of the national airspace system in the Houston metroplex by optimizing aircraft arrival and departure procedures at a number of airports, including George Bush Intercontinental Airport (IAH) and William P. Hobby Airport (HOU). The project would involve changes in aircraft flight paths and altitudes in certain areas, but would not require any ground disturbance or increase the number of aircraft operations within southeast Texas airspace.

To evaluate potential environmental impacts of the Houston OAPM project, the FAA has established a Primary Study Area, consisting of the area within a 50 nautical mile radius of a point midway between IAH and HOU, to evaluate potential impacts of changes in aircraft routing that are proposed to occur below 10,000 feet above ground level (AGL). The following 19 counties, in part or in whole, are in the Primary Study area: Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Grimes, Hardin, Harris, Jefferson, Liberty, Matagorda, Montgomery, Polk, San Jacinto, Walker, Waller, Washington, and Wharton. The FAA has also established a Supplemental Study Area, consisting of the area within an 85 nautical mile radius of a point midway between IAH and HOU, to assess potential effects of changes in aircraft routing between 10,000 and 18,000 feet AGL. The Supplemental Study Area includes the 19 counties in the Primary Study Area plus an additional 16 Texas counties and two Louisiana parishes (in part or in whole, 35 counties and two parishes total). These include: Angelina, Brazos, Burleson, Fayette, Houston, Jackson, Jasper, Lavaca, Lee, Leon, Madison, Newton, Orange, Robertson, Trinity, Tyler, Calcasieu (Louisiana), Cameron (Louisiana). (See attached graphic for a depiction of the two study areas).

The FAA has begun preparation of the Environmental Assessment (EA) and intends to issue it in December 2012. The target date for publication of the Houston metroplex optimized procedures is December 12, 2013. We welcome your agency’s input as we prepare the EA and we are sending this early notification letter for the following reasons:

1. To advise you of the initiation of the EA study



8/28/2012

2

2. To request any background information that your agency may have regarding the study areas established for this EA, and
3. To obtain an understanding of any issues, concerns, policies or regulations that your agency may have regarding the environmental analysis that will be undertaken in the EA

In order to streamline data acquisition and reduce duplication of effort for each of the federal, state, and local agencies that could be involved in this National Environmental Policy Act (NEPA) process, we request that you or your designated representative provide FAA with the appropriate contact information and act as a single point of contact with your agency throughout the course of the EA study. This would entail disseminating information to the appropriate departments or individuals, and acting as the agency's coordinator for providing input to the study and consolidating comments on the study materials.

If you desire to provide comments to help us frame the environmental analysis, please provide them by letter or email, before September 21, 2012, at the following address:

**Roger McGrath, Environmental Specialist**  
**Operations Support Group**  
**2601 Meacham Boulevard**  
**Fort Worth, TX 76137**  
**(817) 321-7735 (tel)**  
**(817) 321-7744 (fax)**  
**e-mail address for comments:**  
**9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA. If you have any questions about the information provided, please feel free to contact me.

Sincerely,



Roger McGrath  
Airspace and Environmental Specialist

Attachments:  
Federal Agencies Contacted  
Federal Lands Inventory  
Houston OAPM Study Areas





U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

August 28, 2012

Mr. Shane Kasson, San Bernard NWR - Refuge Manager  
U.S. Fish & Wildlife Service  
6801 County Road 306  
Brazoria, TX 77422

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package**

Dear Mr. Kasson,

This early notification letter is to inform you that the Federal Aviation Administration (FAA) intends to prepare an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

A "metroplex" is a major metropolitan area with multiple airports, where heavy air traffic and environmental constraints combine to hinder efficient aircraft movement. The Houston OAPM project would improve the efficiency of the national airspace system in the Houston metroplex by optimizing aircraft arrival and departure procedures at a number of airports, including George Bush Intercontinental Airport (IAH) and William P. Hobby Airport (HOU). The project would involve changes in aircraft flight paths and altitudes in certain areas, but would not require any ground disturbance or increase the number of aircraft operations within southeast Texas airspace.

To evaluate potential environmental impacts of the Houston OAPM project, the FAA has established a Primary Study Area, consisting of the area within a 50 nautical mile radius of a point midway between IAH and HOU, to evaluate potential impacts of changes in aircraft routing that are proposed to occur below 10,000 feet above ground level (AGL). The following 19 counties, in part or in whole, are in the Primary Study area: Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Grimes, Hardin, Harris, Jefferson, Liberty, Matagorda, Montgomery, Polk, San Jacinto, Walker, Waller, Washington, and Wharton. The FAA has also established a Supplemental Study Area, consisting of the area within an 85 nautical mile radius of a point midway between IAH and HOU, to assess potential effects of changes in aircraft routing between 10,000 and 18,000 feet AGL. The Supplemental Study Area includes the 19 counties in the Primary Study Area plus an additional 16 Texas counties and two Louisiana parishes (in part or in whole, 35 counties and two parishes total). These include: Angelina, Brazos, Burleson, Fayette, Houston, Jackson, Jasper, Lavaca, Lee, Leon, Madison, Newton, Orange, Robertson, Trinity, Tyler, Calcasieu (Louisiana), Cameron (Louisiana). (See attached graphic for a depiction of the two study areas).

The FAA has begun preparation of the Environmental Assessment (EA) and intends to issue it in December 2012. The target date for publication of the Houston metroplex optimized procedures is December 12, 2013. We welcome your agency's input as we prepare the EA and we are sending this early notification letter for the following reasons:

1. To advise you of the initiation of the EA study
2. To request any background information that your agency may have regarding the study areas established for this EA, and



8/28/2012

2

3. To obtain an understanding of any issues, concerns, policies or regulations that your agency may have regarding the environmental analysis that will be undertaken in the EA

In order to streamline data acquisition and reduce duplication of effort for each of the federal, state, and local agencies that could be involved in this National Environmental Policy Act (NEPA) process, we request that you or your designated representative provide FAA with the appropriate contact information and act as a single point of contact with your agency throughout the course of the EA study. This would entail disseminating information to the appropriate departments or individuals, and acting as the agency's coordinator for providing input to the study and consolidating comments on the study materials.

If you desire to provide comments to help us frame the environmental analysis, please provide them by letter or email, before September 21, 2012, at the following address:

**Roger McGrath, Environmental Specialist**  
**Operations Support Group**  
**2601 Meacham Boulevard**  
**Fort Worth, TX 76137**  
**(817) 321-7735 (tel)**  
**(817) 321-7744 (fax)**  
**e-mail address for comments:**  
**9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA. If you have any questions about the information provided, please feel free to contact me.

Sincerely,



Roger McGrath  
Airspace and Environmental Specialist

Attachments:  
Federal Agencies Contacted  
Federal Lands Inventory  
Houston OAPM Study Areas





U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

August 28, 2012

Judge Jimmy Sylvia  
Chambers County  
P.O. Box 939  
Anahuac, TX 77514

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package**

Dear Judge Sylvia,

This early notification letter is to inform you that the Federal Aviation Administration (FAA) intends to prepare an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

A "metroplex" is a major metropolitan area with multiple airports, where heavy air traffic and environmental constraints combine to hinder efficient aircraft movement. The Houston OAPM project would improve the efficiency of the national airspace system in the Houston metroplex by optimizing aircraft arrival and departure procedures at a number of airports, including George Bush Intercontinental Airport (IAH) and William P. Hobby Airport (HOU). The project would involve changes in aircraft flight paths and altitudes in certain areas, but would not require any ground disturbance or increase the number of aircraft operations within southeast Texas airspace.

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The FAA has begun preparation of the Environmental Assessment (EA) and intends to issue it in December 2012. The target date for publication of the Houston metroplex optimized procedures is December 12, 2013. We welcome your agency's input as we prepare the EA and we are sending this early notification letter for the following reasons:

1. To advise you of the initiation of the EA study
2. To request any background information that your agency may have regarding the study areas established for this EA, and



8/28/2012

2

3. To obtain an understanding of any issues, concerns, policies or regulations that your agency may have regarding the environmental analysis that will be undertaken in the EA

In order to streamline data acquisition and reduce duplication of effort for each of the federal, state, and local agencies that could be involved in this National Environmental Policy Act (NEPA) process, we request that you or your designated representative provide FAA with the appropriate contact information and act as a single point of contact with your agency throughout the course of the EA study. This would entail disseminating information to the appropriate departments or individuals, and acting as the agency's coordinator for providing input to the study and consolidating comments on the study materials.

If you desire to provide comments to help us frame the environmental analysis, please provide them by letter or email, before September 21, 2012, at the following address:

**Roger McGrath, Environmental Specialist**  
**Operations Support Group**  
**2601 Meacham Boulevard**  
**Fort Worth, TX 76137**  
**(817) 321-7735 (tel)**  
**(817) 321-7744 (fax)**  
**e-mail address for comments:**  
**9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA. If you have any questions about the information provided, please feel free to contact me.

Sincerely,



Roger McGrath  
Airspace and Environmental Specialist

Attachments:  
Local Agencies Contacted  
Historic Districts Inventory  
Houston OAPM Study Areas



## **J.1.2 Attachments**



**Houston OAPM EA  
Elected Officials Contacted**

<b>ELECTED OFFICIAL</b>	<b>ADDRESS</b>
The Honorable John Cornyn United States Senator	5300 Memorial Drive, Suite 980 Houston, TX 77007
The Honorable Kay Bailey Hutchinson United States Senator	1919 Smith Street Houston, Texas 77002
The Honorable Michael McCaul Member, United States House of Representatives	5929 Balcones Drive, Suite 305 Austin, TX 78731
The Honorable Ron Paul Member, United States House of Representatives	122 West Way, Suite 301 Lake Jackson, TX 77566
The Honorable Bill Flores Member, United States House of Representatives	400 Austin Avenue, Suite 302 Waco, TX 76710
The Honorable Sheila Jackson Lee Member, United States House of Representatives	1919 Smith Street, Suite 1180 Houston, TX 77002
The Honorable Ted Poe Member, United States House of Representatives	505 Orleans Street, Suite 100 Beaumont, TX 77701
The Honorable Pete Olson Member, United States House of Representatives	17225 El Camino Real, Suite 447 Houston, TX 77058
The Honorable Lloyd Doggett Member, United States House of Representatives	Federal Building, 300 East 8th Street, #763 Austin, TX 78701
The Honorable Gene Greene Member, United States House of Representatives	256 N. Sam Houston Pkwy East, Suite 29 Houston, TX 77060
The Honorable John Culberson Member, United States House of Representatives	10000 Memorial Drive, Suite 620 Houston, TX 77024
The Honorable Kevin Brady Member, United States House of Representatives	200 River Pointe, Suite 304 Conroe, TX 77304
The Honorable Al Green Member, United States House of Representatives	3003 South Loop West, Suite 460 Houston, TX 77054
The Honorable Mike Jackson	1109 Fairmont Parkway Pasadena, TX 77504
The Honorable Rodney Ellis	440 Louisiana, Suite 575 Houston, TX 77002
The Honorable John Whitmire	803 Yale Street Houston, TX 77007
The Honorable Joan Huffman	6217 Edloe Houston, TX 77005
The Honorable Glenn Hegar	P.O. Box 1008 Katy, TX 77492



ELECTED OFFICIAL	ADDRESS
The Honorable Robert Nichols	329 Neches Street Jacksonville, TX 75766
The Honorable Tommy Williams	P.O. Box 8069 The Woodlands, TX 77387
The Honorable Steve Ogden	P.O. Box 12068, Capitol Station Austin, TX 78711
The Honorable Mario Gallegos Jr.	P.O. Box 41 Galena Park, TX 77547
The Honorable Dan Patrick	11451 Katy Fwy, Suite 209 Houston, TX 77079
Rep. James White	2915 Atkinson Drive Lufkin, TX 75901
Rep. Dan Huberty	4501 Magnolia Cove, Suite 201 Kingwood, TX 77345
Rep. Wayne Smith	909 Decker Drive, Suite 104 Baytown, TX 77520
Rep. Lois Kolkhorst	P.O. Box 1867 Brenham, TX 77834
Rep. Allen Fletcher	25222 NW Freeway, Bldg 9, Suite 199 Cypress, TX 77429
Rep. Bill Callegari	1550 Foxlake Drive, Suite 120 Houston, TX 77084
Rep. Senfronia Thompson	10527 Homestead Road Houston, TX 77016
Rep. Rob Eissler	P.O. Box 9494 The Woodlands, TX 77387
Rep. Brandon Creighton	326 1/2 N. Main Street, Suite 110 Conroe, TX 77301
Rep. Tim Kleinschmidt	P.O. Box 868 Lexington, TX 78947
Rep. John Otto	P. O. Box 965 Dayton, TX 77535
Rep. Mike Hamilton	P.O. Box 119 Mauriceville, TX 77626
Rep. Allan Ritter	P.O. Box 1265 Nederland, TX 77627
Rep. Joe Deshotel	One Plaza Square, Suite 203 Port Arthur, TX 77642
Rep. Craig Eiland	9702 E.F. Lowery Expressway Texas City, TX 77591
Rep. Larry Taylor	174 Calder Road, Suite 116 League City, TX 77573
Rep. Dennis Bonnen	122 East Myrtle Angleton, TX 77515
Rep. Charlie Howard	1 Fluor Daniel Building Sugar Land, TX 77478
Rep. Ron Reynolds	2440 Texas Parkway, Suite 102 Missouri City, TX 77489
Rep. John Zerwas	P.O. Box 434 Simonton, TX 77476
Rep. Randy Weber	2225 County Road 90, Suite 107 Pearland, TX 77584



**Houston OAPM EA  
Federal Agencies Contacted**

FEDERAL AGENCY	POINT OF CONTACT	TITLE	ADDRESS
Environmental Protection Agency	Ms. Rhonda Smith	Chief, Office of Planning and Coordination, Region 6	Compliance Assurance and Enforcement Division, 1445 Ross Avenue, Ste 1200 Dallas, Texas 75202
Environmental Protection Agency	Mr. John Macfarlane	Office of Planning and Coordination, Region 6	Compliance Assurance and Enforcement Division, 1445 Ross Avenue, Ste 1200 Dallas, Texas 75202
Environmental Protection Agency	Mr. Michael Jansky	NEPA Specialist, Office of Planning and Coordination, Region 6	Compliance Assurance and Enforcement Division, 1445 Ross Avenue, Ste 1200 Dallas, Texas 75202
National Park Service U.S. Department of the Interior	Mr. John Wessels	Intermountain Regional Director	12795 Alameda Parkway Denver, CO 80225
U.S. Department of Agriculture Forest Service	Ms. Stephanie Neal-Johnson	Acting Forest Supervisor - National Forest and Grasslands in Texas	2221 N. Raguett Street Lufkin, TX 75904
U.S. Department of the Interior	Dr. Willie Taylor	Director - Office of Environmental Policy & Compliance	1849 C Street, NW MS-2340 Washington, D.C. 20240
U.S. Department of the Interior Bureau of Indian Affairs	Mr. Dan Thayer	Chief - Environmental Services Staff	Environmental Services Staff Office of Trust Responsibilities Room 4560, Interior Building 18th and C Street NW, Washington, D.C. 20245
U.S. Department of the Interior Bureau of Indian Affairs	Mr. Dan Deerinwater	Regional Director - Southern Plains	WCD Office Complex, P.O. Box 368 Anadarko, OK 73005
U.S. Department of the Interior Bureau of Land Management	Mr. Jim Moore	Planning & NEPA Coordinator	Planning & NEPA Coordinator 1474 Rodeo Road Santa Fe, NM 87505
U.S. Fish & Wildlife Service	Dr. Benjamin Tuggle	Regional Director - Southwest Region	500 Gold Avenue SW Albuquerque, NM 87102
U.S. Fish & Wildlife Service	Dr. Jeff Haskins	Chief - Migratory Bird Coordinator	500 Gold Avenue SW Albuquerque, NM 87102
U.S. Fish & Wildlife Service	Mr. Edith Erfling	Field Supervisor - Ecological Division	17629 El Camino Real, Ste. 211 Houston, TX 77058
U.S. Fish & Wildlife Service	Mr. Stuart Marcus	Trinity River NWR - Refuge Manager	P.O. Box 10015 Liberty, TX 77575
U.S. Fish & Wildlife Service	Mr. Dean Bossert	McFaddin NWR - Refuge Manager	P.O. Box 358 Sabine Pass, TX 77655

As of: 7/20/12

Page | 1



FEDERAL AGENCY	POINT OF CONTACT	TITLE	ADDRESS
U.S. Fish & Wildlife Service	Mr. Shaun Sanchez	Anahuac & Moody NWR - Refuge Manager	P.O. Box 278 Anahuac, TX 77514
U.S. Fish & Wildlife Service	Mr. John Magera	Attwater Prairie Chicken NWR – Refuge Manager	P.O. Box 519 Eagle Lake, TX 77434
U.S. Fish & Wildlife Service	Mr. Shane Kasson	Big Boggy NWR – Refuge Manager	CR 262 (Chinquapin Road) Matagorda County, TX
U.S. Fish & Wildlife Service	Mr. James Dingee	Brazoria NWR – Refuge Manager	24907 FM 2004 Angleton, TX 77515
U.S. Fish & Wildlife Service	Mr. Shane Kasson	San Bernard NWR – Refuge Manager	6801 County Road 306 Brazoria, TX 77422
U.S. Fish & Wildlife Service	Mr. Earnest Cranwelge	Texas Point NWR – Refuge Manager	P.O. Box 358, 7950 S. Gulfway Dr. Sabine Pass, TX 77655
U.S. Fish & Wildlife Service	Mr. Terrence Delaine	Sabine NWR – Refuge Manager	3000 Holly Beach Highway Hackberry, LA 70645
U.S. Army Corp of Engineers	BG. Thomas Kula	Commander & Division Engineer	Engineer Division, Southwestern, 1100 Commerce Street, Ste 831 Dallas, TX 75242-1317
U.S. Air Force	Maj. Jamie Flanders	Department of the Air Force Representative	2601 Meacham Blvd. Fort Worth, TX 76137, RM161
U.S. Army	Lt. Col Brent Castlemain	Department of the Army Regional Representative	2601 Meacham Blvd. Fort Worth, TX 76137, RM161
U.S. Navy	Cdr. Tim Gamache	Department of the Navy Representative	2601 Meacham Blvd. Fort Worth, TX 76137, RM161C
U.S. Coast Guard	Lt. Aaron Mader	US Coast Guard Representative	USCG Station, 1178 Ellington Field Houston, TX 77034



**Houston OAPM EA  
State Agencies Contacted**

STATE AGENCY	POINT OF CONTACT	TITLE	ADDRESS
Governor's Budget and Planning Office	Mr. Tod Adams	Texas State Single Point of Contact	State Insurance Building 1100 San Jacinto Blvd Austin, TX 78711
Texas Commission on Environmental Quality	Ms. Patty Reeh	Regional Director - Region 9	6801 Sanger Ave., Ste. 2500 Waco, TX 76710-7826
Texas Commission on Environmental Quality	Ms. Heather Feldman	Regional Director - Region 10	3870 Eastex Fwy. Beaumont, TX 77703
Texas Commission on Environmental Quality	Ms. Linda Vasse	Regional Director - Region 12	5425 Polk St., Ste. H Houston, TX 77023-1452
Texas Department of Public Safety	Mr. Steve McCraw	Director	5805 North Lamar Blvd. Austin TX, 78752-4422
Texas Department of Transportation	Mr. David Fulton	Aviation Director	125 East 11th Sreet Austin, TX 78701
Texas Historical Commission	Mr. Mark Wolfe	State Historic Preservation Officer	1511 Colorado Austin, TX 78701
Texas Department of Rural Affairs	Mr. Rick Rhodes	Administrator	1700 North Congress Street, 11th Floor Austin, TX 78701
Texas Parks & Wildlife Department	Mr. Clayton Wolfe	Director of Wildlife	4200 Smith School Road Austin, TX 78744-3292

As of: 7/20/12



**Houston OAPM EA  
Local Agencies Contacted**

County	Name	TITLE	ADDRESS
Austin County	Ms. Carolyn Biliski	County Judge	One East Main Bellville, TX 77418-1521
Brazoria County	Mr. Joe King	County Judge	111 E. Locust Street, Ste 102 Angleton, TX 77515-4642
Brazos County	Mr. Duane Peters	County Judge	200 S. Texas Ave, Ste 332 Bryan, TX 77803
Chambers County	Mr. Jimmy Sylvia	County Judge	404 Washington Anahuac, TX 77514
Fort Bend County	Dr. Robert Hebert	County Judge	301 Jackson Street, Ste 719 Richmond, TX 77469
Galveston County	Mr. Mark Henry	County Judge	722 Moody Ave, Ste 200 Galveston, TX 77550
Grimes County	Ms. Betty Shiflett	County Judge	P.O. Box 160 Anderson TX, 77830
Hardin County	Mr. Billy Caraway	County Judge	300 Monroe Street Kountze, TX 77625
Harris County	Mr. Ed Emmett	County Judge	1001 Preston, Suite 911 Houston, TX 77002
Houston Airport System	Mr. Michael Marek	Operations Coordinator	4775 Will Clayton Pkwy Houston, TX 77032
Jefferson County	Mr. Jeff Branick	County Judge	1149 Pearl Street Beaumont, TX 77701

As of: 7/19/12



County	Name	TITLE	ADDRESS
Liberty County	Mr. Craig McNair	County Judge	1923 Sam Houston Street, Rm 201 Liberty, TX 77575
Montgomery County	Mr. Alan Sadler	County Judge	301 N. Thompson Conroe, TX 77301
Polk County	Mr. John Thompson	County Judge	101 West Church Street, St 300 Livingston, TX 77351
San Jacinto County	Mr. Fritz Faulkner	County Judge	1 State Hwy 150, Room 5 Coldspring, TX 77331
Tyler County	Mr. Jacques Blanchette	County Judge	100 W. Bluff Woodville, TX 75979
Walker County	Mr. Danny Pierce	County Judge	1100 University Ave. Room 204 Huntsville, TX 77340
Waller County	Mr. Glen Beckendorff	County Judge	836 Austin Street, Ste 203 Hempstead, TX 77445
Washington County	Mr. John Brieden	County Judge	100 East Main, Ste 104 Brenham, TX 77833
Wharton County	Mr. Phillip Spenrath	County Judge	309 E. Milam Wharton, TX 77488

As of: 7/19/12



**Houston OAPM  
Federal Lands Inventory  
Primary and Supplemental Study Areas**

Feature (Source)	Name	County / Parish	Area (Acres)
<b>Wilderness Area (1)</b>	Little Lake Creek Wilderness (note: overlaps with Sam Houston National Forest)	Montgomery	3966
<b>National Wildlife Refuge (2)</b>	Anahuac National Wildlife Refuge	Chambers	33915
	Attwater Prairie Chicken National Wildlife Refuge	Colorado	10606
	Big Boggy National Wildlife Refuge	Matagorda	4217
	Brazoria National Wildlife Refuge	Brazoria	45842
	McFaddin Marsh National Wildlife Refuge (note: overlaps with JD Murphee [State] Wildlife Management Area)	Jefferson	51462
	Moody National Wildlife Refuge	Chambers	2834
	Sabine National Wildlife Refuge	Cameron (Louisiana)	140962
	San Bernard National Wildlife Refuge	Brazoria, Matagorda	46895
	Texas Point National Wildlife Refuge	Jefferson	8354
	Trinity River National Wildlife Refuge	Liberty	24858
<b>Department of Defense (3)</b>	Ellington Field Joint Reserve Base	Harris	1769
	Pelican Spit Military Reservation	Galveston	749
<b>Department of Homeland Security (3)</b>	U. S. Coast Guard	Galveston	27
<b>National Forest (4)</b>	Angelina National Forest	Angelina, Nacogdoches, San Augustine, Jasper	396431
	Davy Crockett National Forest	Houston, Trinity	388342
	Sam Houston National Forest (note: includes Little Lake Creek Wilderness and Huntsville State Park)	Montgomery, San Jacinto, Walker	493270
<b>National Park (5)</b>	Big Thicket NP Village Creek	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	9730
	Big Thicket National Park	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	1372

As of: 7/20/2012

Page | 1



Feature (Source)	Name	County / Parish	Area (Acres)
	Big Thicket - Beaumont Unit	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	6288
	Big Thicket - Beech Creek Unit	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	5097
	Big Thicket - Big Sandy Unit	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	14226
	Big Thicket - Hickory Creek Unit	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	705
	Big Thicket - Jack Gore Baygall Unit	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	13711
	Big Thicket - Lance Rosier Unit	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	24788
	Big Thicket - Little Pine Island Bayou Unit	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	2270
	Big Thicket - Lower Neches Unit	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	3251
	Big Thicket - Menard Creek Unit	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	3225
	Big Thicket - Turkey Creek Unit	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	7949
	Big Thicket - Upper Neches Unit	Hardin, Jasper, Jefferson, Liberty, Orange, Polk, Tyler	5901
<b>Feature Source</b>	<b>Organization</b>	<b>URL</b>	<b>Date of Download</b>
(1)	National Atlas	<a href="http://nationalatlas.gov/about.html">http://nationalatlas.gov/about.html</a>	February 08, 2012
(2)	Texas Natural Resource Information System (TNRIS)	<a href="http://data.tnris.org/datadownload/download.jsp">http://data.tnris.org/datadownload/download.jsp</a>	February 08, 2012
(3)	US Fish & Wildlife Service	<a href="http://www.fws.gov/GIS/data/CadastralDB/index.htm">http://www.fws.gov/GIS/data/CadastralDB/index.htm</a>	June 13, 2012
(4)	United States Dept. of Agriculture	<a href="http://www.fs.usda.gov/main/texas/home">http://www.fs.usda.gov/main/texas/home</a>	May 7, 2012
(5)	National Park Service	<a href="https://irma.nps.gov/App/Portal/Topics/Geospatial">https://irma.nps.gov/App/Portal/Topics/Geospatial</a>	February 07, 2012

Note: Names are as they appear in original source data.



**Houston OAPM  
State Lands Inventory  
Primary and Supplemental Study Areas**

Features	Name	County	Area (Acres)
<b>State Wildlife Management Area</b>	Alabama Creek Wildlife Management Area (Note: within Davy Crockett National Forest)	Trinity	15085
	J D Murphee Wildlife Management Area (Note: overlaps the McFaddin Marsh National Wildlife Refuge)	Jefferson	19366
	Mad Island Wildlife Management Area	Matagorda	7184
	State Wildlife Scientific Area	Jasper, Tyler	14078
<b>State Parks or Forest</b>	Battleship Texas (BB-35)*	Harris	1
	Baylor University State Park	Washington	8
	Brazos Bend State Park*	Fort Bend	4897
	Bryan Beach State Recreation Area	Brazoria	849
	Davis Hill State Park*	Liberty	1816
	Fanthorp Inn State Historic Site	Grimes	1
	Galveston Island State Park*	Galveston	1905
	Huntsville State Park* (Note: within with Sam Houston National Park)	Walker	2216
	John H Kirby State Forest	Tyler	619
	Lake Houston State Park*	Montgomery, Harris	5154
	Lake Livingston State Park	Polk	652
	Lake Livingston State Recreation Area	Polk	672
	Lake Somerville State Park - Birch Creek	Burleson	574
	Lake Somerville State Park - Nails Creek	Lee	260

As of: 7/19/2012

J-52

January 2013

Page | 1



Features	Name	County	Area (Acres)
	Lake Texana State Park	Jackson	624
	Martin Dies Jr. State Park	Jasper	886
	Monument Hill / Kreische Brewery State Historic Site	Fayette	40
	Sabine Pass Battleground - State Historical Park	Jefferson	7
	San Jacinto Battleground State Historic Site*	Harris	1213
	San Jacinto Battleground State Historic Site*	Harris	10
	Sea Rim State Park	Jefferson	3976
	Sheldon Lake State Park*	Harris	2704
	Stephen F. Austin State Park*	Austin	486
	Varner-Hogg Plantation State Historical Park*	Brazoria	55
	Village Creek State Park	Hardin	1090
	W G Jones State Forest*	Montgomery	1387
	Washington-On-The-Brazos State Historic Site	Washington	62
Source	Organization	URL	Date of Download
	Texas Natural Resource Information System (TNRIS)	<a href="http://data.tnris.org/datadownload/download.jsp">http://data.tnris.org/datadownload/download.jsp</a>	May 03, 2012

\*Asterisks denote properties in the Primary Study Area.  
Note: Names are as they appear in original source data



**Houston OAPM  
Historic District Inventory  
Primary Study Area**

Feature	County	Ref #	City	District Name	Alternate Name
<b>Historic District</b>	Brazoria	80004082	West Columbia	Varner-Hogg Plantation	
	Brazoria	91001602	East Colombia	East Columbia Historic District	Underwood, Ammon, House
	Chambers	81000626	Anahuac	Fort Anahuac	
	Galveston	98001225	Caplen	Breakers, The	
	Galveston	1001471	Galveston	Denver Court Historic District	
	Galveston	2001570	Galveston	Cedar Lawn Historic District	
	Galveston	75001979	Galveston	East End Historic District	
	Galveston	5000247	Port Bolivar	Fort Travis	Fort Travis Seashore Park
	Galveston	76002028	Galveston	Galveston Causeway	
	Galveston	96000539	Galveston	Silk Stocking Residential Historic District	
	Galveston	70000748	Galveston	Strand Historic District, The	
	Harris	80004128	Houston	Broadacres Historic District	
	Harris	94001160	Morgan's Point	Morgan's Point Historic District	
	Harris	2000117	Houston	Boulevard Oaks Historic District	
	Harris	97000317	Houston	West Eleventh Place Historic District	
	Harris	94000859	Houston	Westmoreland Historic District	
	Harris	78002946	Houston	Old Sixth Ward Historic District	
	Harris	85000186	Houston	Freedmen's Town Historic District	

As of: 07/12/2012

Page | 1



Feature	County	Ref #	City	District Name	Alternate Name
	Harris	88000042	Houston	San Felipe Courts Historic District	
	Harris	97000542	Houston	Independence Heights Residential Historic District	Independence Heights MPS
	Harris	83004471	Houston	Main Street/Market Square Historic District	
	Harris	84001811	Houston	Main Street/Market Square Historic District (Boundary Increase)	
	Harris	79002954	Houston	Bayou Bend	
	Harris	84001766	Houston	Heights Boulevard Esplanade	Houston Heights MRA
	Harris	3000936	Houston	Myers-Spalti Manufacturing Plant	
	Harris	80004129	Houston	Courtlandt Place Historic District	
	Harris	4001174	Houston	Woodlawn Garden of Memories Cemetary	
	Harris	66000815	Houston	San Jacinto Battlefield	
	Harris	10000960*	Houston	Near Northside Historic District	
	Harris	11000425*	Houston	Idylwood Historic District	
<b>Source</b>		<b>Organization</b>		<b>URL</b>	<b>Date of Download</b>
		Texas Historical Commission		<a href="ftp://ftp.thc.state.tx.us/">ftp://ftp.thc.state.tx.us/</a>	March 07, 2012
		National Register of Historic Places*		<a href="http://nrhp.focus.nps.gov/natreg/docs/Download.html">http://nrhp.focus.nps.gov/natreg/docs/Download.html</a>	July 3, 2012

Notes:

\*These two districts are listed only in the National Register of Historic Places.

All other districts are listed by both sources and the information from Texas Historical Commission is presented.

Names are as they appear in original source data



**Houston OAPM  
Historic Places Inventory  
Primary Area**

Ref #	Listing <sup>1</sup>	County	City	Historic Place Name <sup>2</sup>	Alternate Name	Address
83003074	Both	Austin	Wallis	Church of the Guardian Angel	Churches with Decorative Interior Painting TR	5614 Demel St.
79002922	Both	Brazoria	Angleton	Old Brazoria County Courthouse		Public Sq.
91000783	Both	Brazoria	Brazoria	Brazoria Bridge		0.9 mi. E of TX 36 on TX 332
76002011	Both	Brazoria	East Columbia	Underwood, Ammon, House		Main St.
10000050	National	Brazoria	Lake Jackson	Dow, Alden B., Office and Lake Jackson City Hall		101 S. Parking Pl.
04001173	Both	Brazoria	Sweeny	Gazebo for James Richard Marmion		1214 County Rd.
04001172	Both	Brazoria	Sweeny	Palapa Table for James Richard Marmion		1214 County Rd.
08000339	National	Chambers	Anahuac	Chambers County Courthouse		404 Washington St.
79002925	Both	Chambers	Anahuac	Chambersea		Washington and Cummings Sts
03001377	Both	Fort Bend	Katy	Woods, B. Ray and Charlotte, House		610 Woods Lane
96001016	Both	Fort Bend	Kendleton	Green, Henry G. and Annie B., House		.5 mi SE of old US 59 and TX 118
80004119	Both	Fort Bend	Richmond	Fort Bend County Courthouse		400 Jackson St.
05000244	Both	Fort Bend	Richmond	Lamar-Calder House		915 Front St.
01000104	Both	Fort Bend	Richmond	Moore, John M. and Lottie D., House		406 S. Fifth St.
69000204	Both	Galveston	Galveston	Ashton Villa		2328 Broadway
97000258	State	Galveston	Galveston	Balinese Room		2107 Seawall Blvd.
78002929	Both	Galveston	Galveston	Beissner, Henry, House		2818 Ball Ave.
70000746	Both	Galveston	Galveston	Bishop's Palace		1402 Ave. J (Broadway)
84001671	Both	Galveston	Galveston	Building at 1921-1921 1/2 Avenue D	Central Business District MRA	1921-1921 1/2 Ave. D
84001668	Both	Galveston	Galveston	Building at 1925-1927 Market Street	Central Business District MRA	1925-1927 Market St.
84001676	Both	Galveston	Galveston	City Hall	Central Business District MRA	823 25th St.
84001680	Both	Galveston	Galveston	City National Bank	Central Business District MRA	2219 Ave. D
84001683	Both	Galveston	Galveston	Eiband's	Central Business District MRA	2001 Central Plaza

As of: 07/12/2012

Page | 1



Ref #	Listing <sup>1</sup>	County	City	Historic Place Name <sup>2</sup>	Alternate Name	Address
78002930	Both	Galveston	Galveston	ELISSA		Seawolf Park
84001688	Both	Galveston	Galveston	First Evangelical Lutheran Church	Central Business District MRA	2401 Ave. G
79002942	Both	Galveston	Galveston	First Presbyterian Church		1903 Church St.
79002943	Both	Galveston	Galveston	Galveston Orphans Home		1315 21st St.
77001443	Both	Galveston	Galveston	Galveston Seawall		Seawall Blvd.
01000438	Both	Galveston	Galveston	Galveston US Post Office, Custom House and Courthouse		25th St. and F Ave.
79002944	Both	Galveston	Galveston	Galvez Hotel		2024 Seawall Blvd.
77001444	Both	Galveston	Galveston	Garten Verein Pavilion		27th St. and Avenue O (Kempner Park)
75001980	Both	Galveston	Galveston	Grace Episcopal Church		1115 36th St.
74002071	Both	Galveston	Galveston	Grand Opera House		2012--2020 Ave. E
82004505	Both	Galveston	Galveston	Hagemann, John, House		3301 Ave. L
84001698	Both	Galveston	Galveston	House at 2017-2023 Avenue I	Central Business District MRA	2017-2023 Ave. I
84001700	Both	Galveston	Galveston	House at 2528 Postoffice St.	Central Business District MRA	2528 Postoffice St.
94000796	Both	Galveston	Galveston	Hutchings, Sealy, House		2805 Ave. O
84001703	Both	Galveston	Galveston	I.O.O.F. Lodge	Central Business District MRA	505 20th St.
95001028	Both	Galveston	Galveston	Illies Building--Justine Apartments	Galveston Central Business District MRA	503 21st St.
84001705	Both	Galveston	Galveston	Jean Lafitte Hotel	Central Business District MRA	2105 Ave. F
79002945	Both	Galveston	Galveston	Kempner, Daniel Webster, House		2504 Ave. O
83003140	Both	Galveston	Galveston	Lasker Home for Homeless Children		1019 16th St.
03001163	Both	Galveston	Galveston	Levy, E.S., Building	National Hotel Building	2221-2225 Market St.
84001706	Both	Galveston	Galveston	Marschner Building	Central Business District MRA	1914-1916 Mechanic St.
76002030	Both	Galveston	Galveston	McKinney-McDonald House		926 Winnie St.
98001246	Both	Galveston	Galveston	Melrose Apartment Building	Galveston Central Business District MRA	2002 Post Office St.
76002031	Both	Galveston	Galveston	Menard, Michel B., House		1605 33rd St.
85000121	Both	Galveston	Galveston	Merimax Building	Central Business District MRA	521 22nd St.
84001707	Both	Galveston	Galveston	Model Laundry	Central Business District MRA	513-523 25th St.
84001711	State	Galveston	Galveston	Moser House	Central Business District MRA	509 19th St.
75001981	Both	Galveston	Galveston	Mosquito Fleet Berth, Pier 19		N end of 20th St., Pier 19
70000747	Both	Galveston	Galveston	Old Galveston Customhouse		SE corner 20th and Post Office (Ave. E) Sts.

As of: 07/12/2012

Page | 2



Ref #	Listing <sup>1</sup>	County	City	Historic Place Name <sup>2</sup>	Alternate Name	Address
84001713	Both	Galveston	Galveston	Pix Building	Central Business District MRA	2128 Postoffice St.
75001982	Both	Galveston	Galveston	Powhatan House		3427 Ave. O
84001717	Both	Galveston	Galveston	Reedy Chapel-AME Church		2013 Broadway
84001720	Both	Galveston	Galveston	Robinson Building	Central Business District MRA	2009-2011 Postoffice St.
84001722	Both	Galveston	Galveston	Rosenberg Library	Central Business District MRA	2310 Sealy St.
84001724	Both	Galveston	Galveston	Scottish Rite Cathedral	Central Business District MRA	2128 Church St.
69000205	Both	Galveston	Galveston	Sealy, George, House		2424 Broadway
84001728	Both	Galveston	Galveston	Shaw, M. W., Building	Central Business District MRA	2427 Ave. D
69000203	Both	Galveston	Galveston	Smith, Ashbel, Building	Old Red; Big Red	914-916 Ave. B (Strand Ave.)
76002032	Both	Galveston	Galveston	St. Joseph's Church		2202 Ave. K
73001964	Both	Galveston	Galveston	St. Mary's Cathedral		2011 Church Ave.
84001731	Both	Galveston	Galveston	Star Drug Store	Central Business District MRA	510 23rd St.
88002671	Both	Galveston	Galveston	Steffens--Drewna House Complex		2701, 2705, and 2709 Ave. O
78002931	Both	Galveston	Galveston	Sweeney-Royston House		2402 Ave. L
84001734	Both	Galveston	Galveston	Texas Building	Central Business District MRA	2200 Central Plaza
84001737	Both	Galveston	Galveston	Texas Heroes Monument	Central Business District MRA	25th and Broadway
79002946	Both	Galveston	Galveston	Trinity Protestant Episcopal Church		22nd St. and Ave. G
71000933	Both	Galveston	Galveston	Trueheart-Adriance Building		212 22nd St.
84001739	Both	Galveston	Galveston	U.S. National Bank	Central Business District MRA	2201 Ave. D
08000477	National	Galveston	Galveston	USS CAVALLA (submarine)		E. end of Seawolf Park
07000689	National	Galveston	Galveston	USS STEWART		East End of Seawolf Park
71000934	Both	Galveston	Galveston	Williams, Samuel May, House		361 Ave. P
94000410	Both	Galveston	Galveston	Willis--Moody Mansion		2618 Broadway
77001445	Both	Galveston	Port Bolivar	Point Bolivar Lighthouse		TX 87
76002033	Both	Galveston	Texas City	Davison, Frank B., House		109 3rd Ave.
94001241	Both	Galveston	Texas City	Moore, Col. Hugh B. and Helen, House		8 Ninth Ave., N.
10000268	National	Galveston	Texas City	The Settlement Historic District		Centered on the intersection of N Bell Dr and the 100 block of S Bell Dr with cross-streets Carver Ave and Eunice St

As of: 07/12/2012

Page | 3



Ref #	Listing <sup>1</sup>	County	City	Historic Place Name <sup>2</sup>	Alternate Name	Address
80004126	Both	Hardin	Batson	Ada Belle Oil Well		N of Batson
76002037	Both	Harris	Houston	1879 Houston Waterworks		27 Artesian St.
71000938	Both	Harris	Houston	1884 Houston Cotton Exchange Building		202 Travis St.
83004425	Both	Harris	Houston	All Saints Roman Catholic Church	Houston Heights MRA	201 E. 10th St.
83004426	Both	Harris	Houston	Allbach House	Houston Heights MRA	2023 Arlington St.
07001234	National	Harris	Houston	Almeda Road Bridge over Brays Bayou	Historic Bridges of Texas MPS	Almeda Rd. at Brays Bayou
87002241	Both	Harris	Houston	Anderson, John W., House	Houston Heights MRA	711 Columbia
75001988	Both	Harris	Houston	Annunciation Church		1618 Texas Ave.
76002038	Both	Harris	Houston	Antioch Missionary Baptist Church		313 Robin St.
85002815	Both	Harris	Houston	Apollo Mission Control Center		Lyndon B. Johnson Space Flight Center
79002953	Both	Harris	Houston	Autry, James L., House		5 Courtlandt Pl.
05000858	National	Harris	Houston	Aviary at the Houston Zoo	Sculpture by Dionicio Rodriguez in Texas MPS	1513 N. McGregor
83004427	Both	Harris	Houston	Banta House	Houston Heights MRA	119 E. 20th St.
87002242	Both	Harris	Houston	Baring, Otto H., House	Houston Heights MRA	1030 Rutland
84001754	Both	Harris	Houston	Barker House	Houston Heights MRA	121 E. 16th St.
83004428	Both	Harris	Houston	Beaconsfield		1700 Main St.
02001063	Both	Harris	Houston	Benjamin Apartments		1218 Webster St.
97001626	Both	Harris	Houston	Bethel Baptist Church		801 Andrews
84001755	Both	Harris	Houston	Borgstrom House	Houston Heights MRA	1401 Cortlandt St.
83004430	Both	Harris	Houston	Burge House	Houston Heights MRA	1801 Heights Blvd.
87002243	Both	Harris	Houston	Burlingame, George L., House	Houston Heights MRA	1238 Harvard
83004671	Both	Harris	Houston	Burnett House	Houston Heights MRA	219 W. Eleventh St.
94000677	Both	Harris	Houston	Bute, James, Company Warehouse		711 William St.
90001048	Both	Harris	Houston	Carden, David A., House	Houston Heights MRA	718 W. 17th Ave.
79002955	Both	Harris	Houston	Carroll, J. J., House		16 Courtlandt Pl.
79002956	Both	Harris	Houston	Carter, W. T., Jr., House		18 Courtlandt Pl.
79002957	Both	Harris	Houston	Christ Church		1117 Texas Ave.
00000291	Both	Harris	Houston	City National Bank Building		1001 McKinney Ave.
90001040	Both	Harris	Houston	Clanton, Moses A., House	Houston Heights MRA	1025 Arlington
87002244	Both	Harris	Houston	Clare, J. H., House	Houston Heights MRA	939 Arlington

As of: 07/12/2012

Page | 4



Ref #	Listing <sup>1</sup>	County	City	Historic Place Name <sup>2</sup>	Alternate Name	Address
94000354	Both	Harris	Houston	Clarke & Courts Building		1210 W. Clay Ave.
84001756	Both	Harris	Houston	Clayton, William L., Summer House		3376 Inwood Dr.
79002958	Both	Harris	Houston	Cleveland, A. S., House		8 Courtlandt Pl.
85002771	Both	Harris	Houston	Cohn, Arthur B., House		1711 Rusk Ave.
90001041	Both	Harris	Houston	Coombs, Charles E., House	Houston Heights MRA	1037 Columbia
84001757	Both	Harris	Houston	Coop, Dr. B. F., House	Houston Heights MRA	1536 Heights Blvd.
87002248	Both	Harris	Houston	Copeland, Austin, House I	Houston Heights MRA	921 Arlington
87002245	Both	Harris	Houston	Copeland, Austin, House II	Houston Heights MRA	925 Arlington
83004431	Both	Harris	Houston	Countryman House	Houston Heights MRA	402 E. 9th St.
83004432	Both	Harris	Houston	Cummings House	Houston Heights MRA	1418 Heights Blvd.
97000549	Both	Harris	Houston	Cyrus, Ben C. and Jenette, House	Independence Heights MPS	325 E. 25th St.
94000248	Both	Harris	Houston	Dawson, James A., House		400 Emerson Ave.
84001759	Both	Harris	Houston	DePelchin Faith Home		2700 Albany St.
84001761	Both	Harris	Houston	Dexter House	Houston Heights MRA	224 W. 17th St.
79002959	Both	Harris	Houston	Donoghue, Thomas J., House		17 Courtlandt Pl.
79002960	Both	Harris	Houston	Dorrance, John M., House		9 Courtlandt Pl.
90001046	Both	Harris	Houston	Dougherty, Lula J., House	Houston Heights MRA	1233 Yale St.
87002246	Both	Harris	Houston	Durham, Jay L., House	Houston Heights MRA	921 Heights Blvd.
83004433	Both	Harris	Houston	Eaton House	Houston Heights MRA	510 Harvard St.
83004434	National	Harris	Houston	Elkins House	Houston Heights MRA	602 E. 9th St.
83004435	Both	Harris	Houston	Ellis, Dr. Billie V., House	Houston Heights MRA	1515 Heights Blvd.
97001599	Both	Harris	Houston	Eppes, Ned A. and Linda S., House		5322 Institute Ln.
84001762	Both	Harris	Houston	Ezzell House	Houston Heights MRA	1236 Rutland St.
09000866	National	Harris	Houston	Farnsworth & Chambers Building		2999 S. Wayside
06000923	National	Harris	Houston	Farrar, Roy and Margaret, House		511 Lovett Blvd.
85003238	Both	Harris	Houston	Fire Engine House No. 9		1810--1812 Keene St.
06001066	National	Harris	Houston	First Evangelical Church		1311 Holman St.
87002247	Both	Harris	Houston	Fluegel, William F., House	Houston Heights MRA	1327 Ashland
78002942	Both	Harris	Houston	Foley, W. L., Building		214--218 Travis St.
88001053	Both	Harris	Houston	Forum of Civics		2503 Westheimer Rd.
97000545	Both	Harris	Houston	General Mercantile Store	Independence Heights MPS	7322 N. Main St.
84001764	Both	Harris	Houston	Gillette House	Houston Heights MRA	301-303 E. 15th St.
83004436	Both	Harris	Houston	Gulf Building		710-724 Main St.

As of: 07/12/2012

Page | 5



Ref #	Listing <sup>1</sup>	County	City	Historic Place Name <sup>2</sup>	Alternate Name	Address
81000629	Both	Harris	Houston	Harris County Courthouse of 1910		301 Fannin St.
83004437	Both	Harris	Houston	Hartley House	Houston Heights MRA	315 W. 17th St.
84001765	Both	Harris	Houston	Hawkins House	Houston Heights MRA	1015 Heights Blvd.
84001766	National	Harris	Houston	Heights Boulevard Esplanade	Houston Heights MRA	Heights Boulevard from White Oak Bayou to 20th St.
83004438	Both	Harris	Houston	Heights Christian Church	Houston Heights MRA	1703 Heights Blvd.
83004439	Both	Harris	Houston	Heights State Bank Building	Houston Heights MRA	3620 Washington St.
94000266	Both	Harris	Houston	Heyne, Fred J., House		220 Westmoreland Ave.
07001131	National	Harris	Houston	Hill Street Bridge over Buffalo Bayou	Historic Bridges of Texas MPS	S. Jensen Dr. at Buffalo Bayou
78002943	Both	Harris	Houston	Hogg Building		401 Louisiana St.
84001768	Both	Harris	Houston	House at 1111 Heights Boulevard	Houston Heights MRA	1111 Heights Blvd.
84001771	Both	Harris	Houston	House at 112 W. 4th Street	Houston Heights MRA	112 W. 4th St.
84001774	Both	Harris	Houston	House at 1210 Harvard Street	Houston Heights MRA	1210 Harvard St.
87002249	Both	Harris	Houston	House at 1217 Harvard	Houston Heights MRA	1217 Harvard
84001776	Both	Harris	Houston	House at 122 East Fifth Street	Houston Heights MRA	122 E. 5th St.
87002250	Both	Harris	Houston	House at 1220 Harvard	Houston Heights MRA	1220 Harvard
90001043	Both	Harris	Houston	House at 1222 Harvard Street	Houston Heights MRA	1222 Harvard St.
84001777	Both	Harris	Houston	House at 1227 Rutland Street	Houston Heights MRA	1227 Rutland St.
84001780	Both	Harris	Houston	House at 1230 Oxford Street	Houston Heights MRA	1230 Oxford St.
83004456	Both	Harris	Houston	House at 1237 Rutland Street	Houston Heights MRA	1237 Rutland St.
84001784	Both	Harris	Houston	House at 1304 Cortlandt Street	Houston Heights MRA	1304 Cortlandt St.
83004443	Both	Harris	Houston	House at 1343 Allston Street	Houston Heights MRA	1343 Allston St.
83004449	Both	Harris	Houston	House at 1421 Harvard St.	Houston Heights MRA	1421 Harvard St.
83004452	Both	Harris	Houston	House at 1421 Heights Boulevard	Houston Heights MRA	1421 Heights Blvd.
83004459	Both	Harris	Houston	House at 1421-1423 Waverly Street	Houston Heights MRA	1421-1423 Waverly St.
87002251	Both	Harris	Houston	House at 1435 Heights Boulevard	Houston Heights MRA	1435 Heights Blvd.
83004453	Both	Harris	Houston	House at 1437 Heights Boulevard	Houston Heights MRA	1437 Heights Blvd.
83004458	Both	Harris	Houston	House at 1437 Waverly Street	Houston Heights MRA	1437 Waverly St.
83004442	Both	Harris	Houston	House at 1443 Allston Street	Houston Heights MRA	1443 Allston St.
83004441	Both	Harris	Houston	House at 1509 Allston Street	Houston Heights MRA	1509 Allston St.
83004440	Both	Harris	Houston	House at 1515 Allston Street	Houston Heights MRA	1515 Allston St.



Ref #	Listing <sup>1</sup>	County	City	Historic Place Name <sup>2</sup>	Alternate Name	Address
83004446	Both	Harris	Houston	House at 1517 Cortland Street	Houston Heights MRA	1517 Cortland St.
83004457	Both	Harris	Houston	House at 1537 Tulane Street	Houston Heights MRA	1537 Tulane Street
83004450	Both	Harris	Houston	House at 1640 Harvard Street	Houston Heights MRA	1640 Harvard St.
83004460	Both	Harris	Houston	House at 201 W. 15th Street	Houston Heights MRA	201 W. 15th St.
83004455	Both	Harris	Houston	House at 2035 Rutland Street	Houston Heights MRA	2035 Rutland St.
84001786	Both	Harris	Houston	House at 217 E. 5th Street	Houston Heights MRA	217 E. 5th St.
83004454	Both	Harris	Houston	House at 2402 Rutland Street	Houston Heights MRA	2402 Rutland St.
83004447	Both	Harris	Houston	House at 402 E. 11th Street	Houston Heights MRA	402 E. 11th Street
84001788	Both	Harris	Houston	House at 444 West 24th Street	Houston Heights MRA	444 W. 24th St.
84001791	Both	Harris	Houston	House at 505 W. 18th Street	Houston Heights MRA	505 W. 18th St.
83004448	Both	Harris	Houston	House at 532 Harvard Street	Houston Heights MRA	532 Harvard St.
83004451	Both	Harris	Houston	House at 828 Heights Boulevard	Houston Heights MRA	828 Heights Blvd.
83004445	Both	Harris	Houston	House at 844 Columbia Street	Houston Heights MRA	844 Columbia St.
83004444	Both	Harris	Houston	House at 844 Courtlandt	Houston Heights MRA	844 Cortlandt
84001793	Both	Harris	Houston	House at 917 Heights Boulevard	Houston Heights MRA	917 Heights Blvd.
84003972	Both	Harris	Houston	House at 943 1/2 Cortlandt Street	Houston Heights MRA	943 1/2 Cortlandt St.
90001471	Both	Harris	Houston	Houston City Hall		901 Bagby St.
86000798	Both	Harris	Houston	Houston Fire Station No. 7		2304 Milam St.
83004461	Both	Harris	Houston	Houston Heights Fire Station	Houston Heights MRA	Yale and 12th Sts.
83004462	Both	Harris	Houston	Houston Heights Waterworks Reservoir	Houston Heights MRA	W. 20 and Nicolson Sts.
83004463	Both	Harris	Houston	Houston Heights Woman's Club	Houston Heights MRA	1846 Harvard St
82004856	Both	Harris	Houston	Houston Negro Hospital		3204 Ennis St.
82004857	Both	Harris	Houston	Houston Negro Hospital School of Nursing Building		Holman Ave. and Ennis St.
02000072	Both	Harris	Houston	Houston Post-Dispatch Building		609 Fannin
84001795	Both	Harris	Houston	Houston Public Library	Houston Heights MRA	1302 Heights Blvd.
78002944	Both	Harris	Houston	Houston Turn-Verein		5202 Almeda Rd.
99000068	Both	Harris	Houston	Humble Oil Building		1212 Main St.
77001447	Both	Harris	Houston	Ideson, Julia, Building		500 McKinney St.
83004464	Both	Harris	Houston	Immanuel Lutheran Church	Houston Heights MRA	1448 Cortlandt St.
97000544	Both	Harris	Houston	Independence Park	Independence Heights MPS	Roughly bounded by 1000 Blk. of E. 40th St.
94000628	Both	Harris	Houston	Isabella Court		3909--3917 S. Main St.

As of: 07/12/2012

Page | 7



Ref #	Listing <sup>1</sup>	County	City	Historic Place Name <sup>2</sup>	Alternate Name	Address
83004465	Both	Harris	Houston	Isbell House	Houston Heights MRA	639 Heights Blvd.
05000859	National	Harris	Houston	Jefferson Davis Hospital		1101 Elder
90001039	Both	Harris	Houston	Jensen, James L., House	Houston Heights MRA	721 Arlington
97000550	Both	Harris	Houston	Johnson, Charles, House	Independence Heights MPS	301 E. 35th St.
97000541	Both	Harris	Houston	Johnson, Morris and Mary, House		3818 Spencer St.
83004466	Both	Harris	Houston	Jones House	Houston Heights MRA	1115-1117 Allston St.
79002962	Both	Harris	Houston	Jones-Hunt House		24 Courtlandt Pl.
84001797	Both	Harris	Houston	Keller House	Houston Heights MRA	1448 Heights Blvd.
75001989	Both	Harris	Houston	Kellum-Noble House		212 Dallas St.
79002963	Both	Harris	Houston	Kennedy Bakery		813 Congress St.
87002252	Both	Harris	Houston	Kennedy, Marshall W., House	Houston Heights MRA	1122 Harvard
83004467	Both	Harris	Houston	Kleinhaus House	Houston Heights MRA	803 Yale St.
83004468	Both	Harris	Houston	Knittel House	Houston Heights MRA	1601 Ashland St.
02001102	Both	Harris	Houston	Kress Building		705 Main St.
83004469	Both	Harris	Houston	Kronenberger House	Houston Heights MRA	612 W. 26th St.
96000587	Both	Harris	Houston	Lewis Apartment Building		2815--2817 Smith St.
97000543	Both	Harris	Houston	Lewis, Ella, Store and Rental Houses	Independence Heights MPS	3404--3406--3408 Courtland St.
87002253	Both	Harris	Houston	Lindenburg, Emil, House	Houston Heights MRA	1445 Harvard
97000546	Both	Harris	Houston	Lindsay, Oscar, House	Independence Heights MPS	7415 N. Main St.
00000751	Both	Harris	Houston	Link--Lee House		3800 Montrose
98000428	Both	Harris	Houston	Logue House		1101 Milford
90001045	Both	Harris	Houston	Lowry, Fayette C., House	Houston Heights MRA	2009 Harvard
83004470	Both	Harris	Houston	Lund House	Houston Heights MRA	301 E. 5th St.
05000387	Both	Harris	Houston	Macatee, Leonard W., House		1220 Southmore Blvd.
97000547	Both	Harris	Houston	Mackey, William, House	Independence Heights MPS	313 E. 37th St.
83004472	Both	Harris	Houston	Mansfield House	Houston Heights MRA	1802 Harvard St.
87002254	Both	Harris	Houston	McCain, Henry Hicks, House	Houston Heights MRA	1026 Allston
90001049	Both	Harris	Houston	McCollum, D. C., House	Houston Heights MRA	433 W. 24th St.
83004473	Both	Harris	Houston	McDonald House	Houston Heights MRA	1801 Ashland St.
02000729	Both	Harris	Houston	McKee Street Bridge	Historic Bridges of Texas MPS	McKee St. and Buffalo Bayou
94000247	Both	Harris	Houston	Meek, James V., House		3704 Garrott Ave.



Ref #	Listing <sup>1</sup>	County	City	Historic Place Name <sup>2</sup>	Alternate Name	Address
84001813	Both	Harris	Houston	Meitzen House	Houston Heights MRA	725 Harvard St.
80004130	Both	Harris	Houston	Merchants and Manufacturers Building		1 Main St.
84001814	Both	Harris	Houston	Miller House	Houston Heights MRA	1245 Yale St.
83003788	Both	Harris	Houston	Miller, Ezekial and Mary Jane, House		304 Hawthorne St.
83004474	Both	Harris	Houston	Milroy House	Houston Heights MRA	1102 Heights Blvd.
80004131	Both	Harris	Houston	Milroy, John, House		1102 Heights Blvd.
84001816	Both	Harris	Houston	Milroy-Muller House	Houston Heights MRA	1602 Harvard St.
00001496	Both	Harris	Houston	Minchen, Simon and Mamie, House		1753 North Blvd.
06000818	National	Harris	Houston	Minella, Angelo and Lillian, House		6328 Brookside Dr.
90001044	Both	Harris	Houston	Morris, Glenn W., House	Houston Heights MRA	1611 Harvard St.
87002255	Both	Harris	Houston	Morton Brothers Grocery	Houston Heights MRA	401 W. Ninth
84001819	Both	Harris	Houston	Mulcahy House	Houston Heights MRA	1046 Harvard St.
79002964	Both	Harris	Houston	Myer, Sterling, House		4 Courtlandt Pl.
87002256	Both	Harris	Houston	Nairn, Forrest A., House	Houston Heights MRA	1148 Heights Blvd.
90001293	Both	Harris	Houston	Nash, William R., House		215 Westmoreland Ave.
98000141	Both	Harris	Houston	National Biscuit Company Building		15 N. Chenevert
79002965	Both	Harris	Houston	Neuhaus, C. L., House		6 Courtlandt Pl.
05000246	Both	Harris	Houston	Neuhaus, Hugo V., Jr. House		2910 Lazy Ln.
83004475	Both	Harris	Houston	Ogle, Joseph, House	Houston Heights MRA	530 Harvard St.
75001990	Both	Harris	Houston	Old Houston National Bank		202 Main St.
06001063	National	Harris	Houston	Orange Show, The		2401 Munger St.
83004476	Both	Harris	Houston	Oriental Textile Mill	Houston Heights MRA	2201 Lawrence St.
84001820	Both	Harris	Houston	Otto House	Houston Heights MRA	835 Rutland St.
06000825	National	Harris	Houston	Palace Hotel		216 La Branch
84000388	Both	Harris	Houston	Palmer, Edward Albert, Memorial Chapel and Autry House		6221 and 6265 Main St.
79002966	Both	Harris	Houston	Parker, John W., House		2 Courtlandt Pl.
79002967	Both	Harris	Houston	Paul Building		1018 Preston Ave.
91000889	Both	Harris	Houston	Peden, D. D., House		2 Longfellow Ln.
83004477	Both	Harris	Houston	Perry-Swiley House	Houston Heights MRA	1101 Heights Blvd.
90001038	Both	Harris	Houston	Reed, Thomas B., House	Houston Heights MRA	933 Allston St.
78002947	Both	Harris	Houston	Rice Hotel		Main St. and Texas Ave.

As of: 07/12/2012

Page | 9



Ref #	Listing <sup>1</sup>	County	City	Historic Place Name <sup>2</sup>	Alternate Name	Address
87002257	Both	Harris	Houston	Roessler, Charles, House	Houston Heights MRA	736 Cortland
90001042	Both	Harris	Houston	Rogers, Ghent W., House	Houston Heights MRA	1150 Cortlandt
00000883	Both	Harris	Houston	Rothko Chapel		1409 Sul Ross Ave.
07001023	National	Harris	Houston	Sabine Street Bridge over Buffalo Bayou	Historic Bridges of Texas MPS	Sabine St. at Buffalo Bayou
02000276	Both	Harris	Houston	Sam Houston Hotel		1119 Prairie St.
07001098	National	Harris	Houston	San Jacinto Street Bridge over Buffalo Bayou	Historic Bridges of Texas MPS	San Jacinto St. at Buffalo Bayou
02001731	Both	Harris	Houston	Saturn V Launch Vehicle		Johnson Space Center
80004132	Both	Harris	Houston	Scanlan Building		405 Main St.
83004478	Both	Harris	Houston	Schauer Filling Station	Houston Heights MRA	1400 Oxford St.
84001823	Both	Harris	Houston	Schlessler-Burrows House	Houston Heights MRA	1123 Harvard St.
98001344	Both	Harris	Houston	Sessums--James House		3802 Spencer
75001991	Both	Harris	Houston	Sewall, Cleveland Harding, House		3452 Inwood St.
84001825	Both	Harris	Houston	Sheridan Apartments		802-804 McGowen St.
87002258	Both	Harris	Houston	Shoaf, John H., House	Houston Heights MRA	2030 Arlington
78002948	National	Harris	Houston	South Texas National Bank		215 Main St.
85002810	Both	Harris	Houston	Space Environment Simulation Laboratory		Lyndon B. Johnson Space Center
94001521	Both	Harris	Houston	Star Engraving Company Building		3201 Allen Pkwy.
82004843	Both	Harris	Houston	State National Bank Building		412 Main St.
83004479	Both	Harris	Houston	Sterling-Berry House		4515 Yoakum Blvd.
96000275	Both	Harris	Houston	Stevenson, Joseph R. and Mary M., House		804 Harold St.
74002074	Both	Harris	Houston	Sweeney, Coombs & Fredericks Building		301 Main St.
79002968	Both	Harris	Houston	Taylor, Judson L., House		20 Courtlandt Pl.
07001235	National	Harris	Houston	Telephone Road Bridge over Brays Bayou	Historic Bridges of Texas MPS	Telephone Rd. at Brays Bayou
84001826	Both	Harris	Houston	Temple Beth Israel		3517 Austin St.
03000185	State	Harris	Houston	Texas Company Building	Texaco Building	1111 Rusk
07001384	National	Harris	Houston	Texas State Hotel		720 Fannin
83004480	Both	Harris	Houston	Thornton, Dr. Penn B., House	Houston Heights MRA	1541 Tulane St.
83004481	Both	Harris	Houston	Trinity Church		3404 S. Main St.
74002075	Both	Harris	Houston	U.S. Customhouse		San Jacinto at Rusk St.

As of: 07/12/2012

Page | 10



Ref #	Listing <sup>1</sup>	County	City	Historic Place Name <sup>2</sup>	Alternate Name	Address
76002039	Both	Harris	Houston	U.S.S. TEXAS		22 mi. E of Houston on TX 134 at San Jacinto Battleground
77001448	Both	Harris	Houston	Union Station		501 Crawford St.
00001665	Both	Harris	Houston	Union Transfer and Storage Building		1113 Vine St.
83004482	Both	Harris	Houston	Upchurch House	Houston Heights MRA	301 E. 14th St.
83004483	Both	Harris	Houston	Ward House	Houston Heights MRA	323 W. 17th St.
08000316	National	Harris	Houston	Washburn Tunnel		3100 Federal Rd.
84001829	Both	Harris	Houston	Webber House	Houston Heights MRA	1011 Heights Blvd.
83004484	Both	Harris	Houston	Webber, Samuel H., House	Houston Heights MRA	407 Heights Blvd.
84001831	Both	Harris	Houston	Wilkins House	Houston Heights MRA	1541 Ashland St.
83004485	Both	Harris	Houston	Williams-Brueder House	Houston Heights MRA	245 W. 18th St.
04000547	Both	Harris	Houston	Willow Street Pump Station	City Street Cleaning and Sewage Pumping Station	811 N. San Jacinto
84001841	Both	Harris	Houston	Wilson House	Houston Heights MRA	1206 Cortlandt St.
84001843	Both	Harris	Houston	Wimberly House	Houston Heights MRA	703 Harvard St.
84001844	Both	Harris	Houston	Wisnoski House	Houston Heights MRA	1651 Columbia St.
84001847	Both	Harris	Houston	Woodard House	Houston Heights MRA	740 Rutland St.
83004486	Both	Harris	Houston	Woodward House	Houston Heights MRA	1605 Heights Blvd.
93000844	Both	Harris	Houston	Wray, Andrew Jackson and Margaret Cullinan, House		3 Remington Ln.
96001110	Both	Harris	Humble	State Highway 35 Bridge at the West Fork of the San Jacinto River	Historic Bridges of Texas MPS	US 59, 1.4 mi. N of jct. with FM 1960
96000067	Both	Harris	Katy	Stewart, Dr. James M. and Dove, House		5702 Fourth St.
97000202	Both	Harris	Klein	Wunderlich, Peter and Sophie, Farm		18202 Theiss Mail Rd.
10000738	National	Harris	La Porte	Sylvan Beach Pavilion		554 N Bayshore Dr
82004858	Both	Harris	Morgan's Point	Sterling, Ross, S., House		515 Bayridge Rd.
03000329	Both	Harris	Pasadena	Pomeroy Homestead		202 and 204 S. Main St.
94001015	Both	Harris	Pasadena	West, James and Jessie, Mansion		3303 NASA Rd. 1
84001849	Both	Harris	Spring	Wunsche Bros. Saloon and Hotel		103 Midway St.
92001401	State	Liberty	Liberty	Black Cloud	41LB37	Address Restricted
11000156	National	Liberty	Liberty	Chambers, Thomas Jefferson, House		624 Milam St
84001907	Both	Liberty	Liberty	Cleveland-Partlow House		2131 Grand Ave.

As of: 07/12/2012

Page | 11



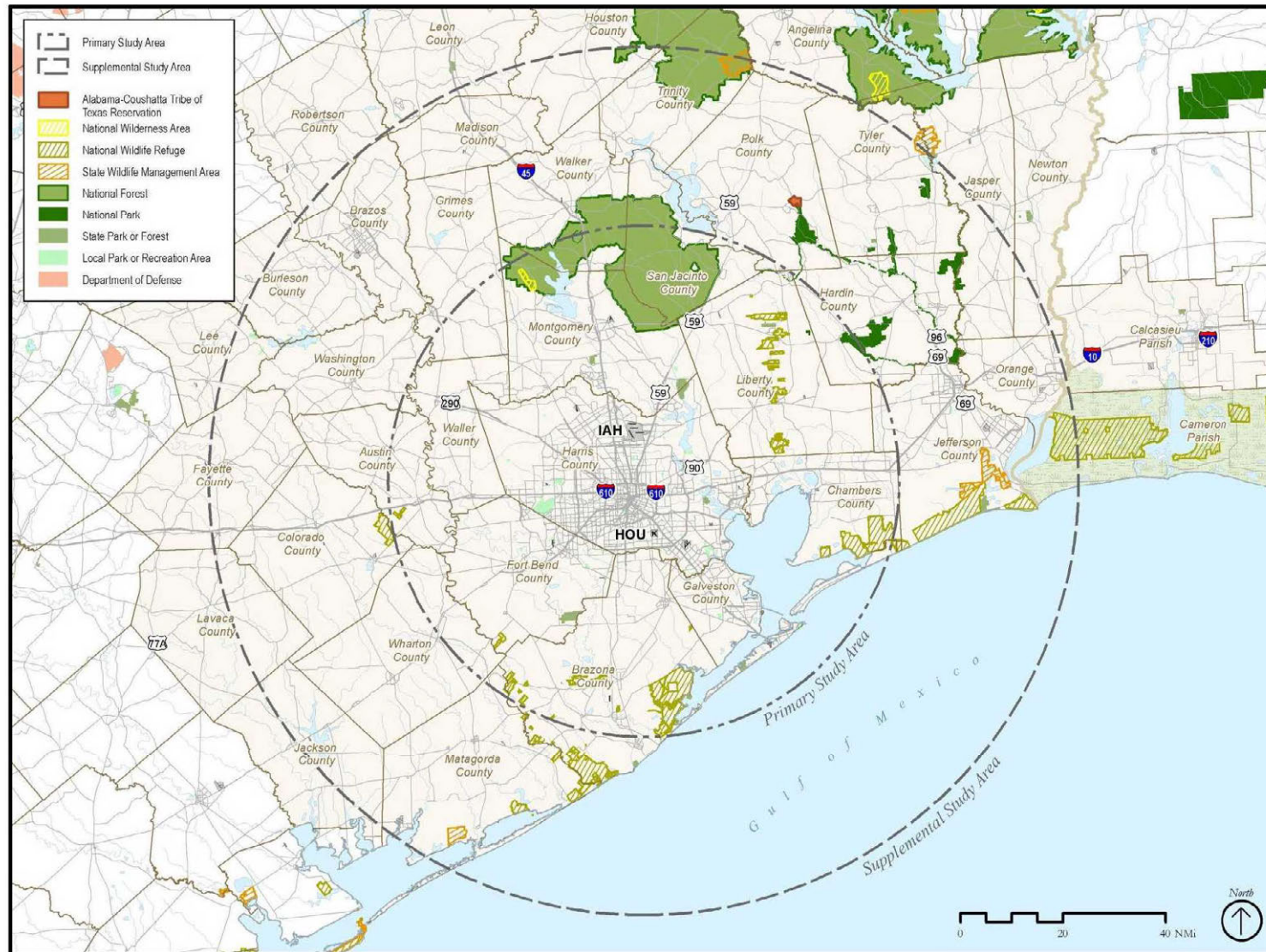
Ref #	Listing <sup>1</sup>	County	City	Historic Place Name <sup>2</sup>	Alternate Name	Address
02001514	Both	Liberty	Liberty	Liberty County Courthouse		1923 Sam Houston Blvd.
96001114	Both	Liberty	Liberty	State Highway 3 Bridge at the Trinity River	Historic Bridges of Texas MPS	US 90, 1.3 mi. W of jct. with FM 2684
79002996	Both	Montgomery	Montgomery	Arnold-Simonton House		Rankin St.
03000332	Both	San Jacinto	Coldspring	San Jacinto County Courthouse		#1 Hwy 150 at Byrd Ave.
80004148	Both	San Jacinto	Coldspring	San Jacinto County Jail		Slade and Loyd St.
71000970	Both	Waller	Hempstead	Liendo Plantation		2 mi. NE of Hempstead off FM 1488
99000611	Both	Waller	Prairie View	Anderson, L.C., Hall	Praire View A&M University MPS	L.W. Minor St., building #0541
99000612	Both	Waller	Prairie View	Banks, W.R., Library	Praire View A&M University MPS	L.W. Minor St., building #0508
99000613	Both	Waller	Prairie View	Evans, Annie Laurie, Hall	Praire View A&M University MPS	L.W. Minor St., building #0544
99000614	Both	Waller	Prairie View	Hillard Hall	Praire View A&M University MPS	A.G. Cleaver St., building #0537
99000617	Both	Waller	Prairie View	Veterinary Hospital	Praire View A&M University MPS	E.M. Norris St., building #0517
99000616	Both	Waller	Prairie View	Woolfolk, G.R., Social and Political Science Building	Praire View A&M University MPS	A.G. Cleaver St., building #0503
<b>Source</b>	<b>Organization</b>			<b>URL</b>		<b>Date Downloaded</b>
	Texas Historical Commission			<a href="ftp://ftp.thc.state.tx.us/">ftp://ftp.thc.state.tx.us/</a>		March 07, 2012
	National Register of Historic Place			<a href="http://nrhp.focus.nps.gov/natreg/docs/Download.html">http://nrhp.focus.nps.gov/natreg/docs/Download.html</a>		July 3, 2012

Notes:

- 1 Indication if the place is listed by the National Register of Historic Place ("National"), the Texas Historical Commission ("State") or if listed by both sources ("Both"). For places listed in both sources, information from Texas Historical Commission is presented.
- 2 Names and addresses area as they appear in original source data.



### Houston OAPM EA Study Areas





## J.2 Public Notices

### J.2.1 Newspapers

The following shows a sample of the ad that ran in the newspapers listed in Table J-6, the same text was provided to all.

**Public Notice**

**Houston Optimization of Airspace and  
Procedures in the Metroplex (OAPM)  
Environmental Assessment**

The Federal Aviation Administration (FAA) is preparing an Environmental Assessment (EA) to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project. This notice is being published as an initial step for the purpose of involving Federal agencies, States, Tribes, local government, and the public in the Houston OAPM project. This notice also requests any background information that interested parties may have regarding the study areas established for this EA. Finally, the FAA intends to obtain an understanding of any concerns, policies or regulations that interested parties may have regarding the environmental analysis that will be undertaken in the EA. The FAA has begun preparation of the EA and intends to issue it in December 2012.

The Houston OAPM project would improve the efficiency of the national airspace system in the Houston metroplex by optimizing aircraft arrival and departure procedures at a number of airports, including George Bush Intercontinental Airport (IAH) and William P. Hobby Airport (HOU). The project would involve changes in aircraft flight paths and altitudes in certain areas, but would not require any ground disturbance or increase the number of aircraft operations within southeast Texas airspace. The target date for publication of the Houston metroplex optimized procedures is December 12, 2013. For additional information or to comment please contact: Roger McGrath, Environmental Specialist/Operations Support Group, 2601 Meacham Boulevard, Fort Worth, TX 76137 email: 9-ASW-HoustonOAPMcomment@faa.gov, [www.oapmenvironmental.com](http://www.oapmenvironmental.com)



**Table J-6 List of Publication Newspapers**

<b>Newspaper</b>	<b>Publication Date</b>	<b>Page Number</b>	<b>Publication Date</b>	<b>Page Number</b>
The Bay City Tribune	Sunday, July 29, 2012	Page 7B	Sunday, August 5, 2012	Page 9B
Beaumont Enterprise	Sunday, July 29, 2012	Page 5D	Sunday, August 5, 2012	Page 5D
Bellville Times	Thursday, August 2, 2012	Section B Page 7	Thursday, August 9, 2012	Section B Page 7
Brenham Banner-Press	Sunday, July 29, 2012	Page 11	Sunday, August 5, 2012	Page 9
Cleveland Advocate	Wednesday, August 1, 2012	Page 9A	Wednesday, August 8, 2012	Page 13A
Colorado County Citizen	Wednesday, August 1, 2012	Page 17	Wednesday, August 8, 2012	Page 18
Navasota Examiner	Wednesday, August 1, 2012	Page 13A	Wednesday, August 8, 2012	Page 14A
Fort Bend Herald	Sunday, July 29, 2012	Page B4	Sunday, August 5, 2012	Page 4
Galveston County Daily News	Sunday, July 29, 2012	Page D4	Sunday, August 5, 2012	Page D3
Houston Chronicle	Sunday, July 29, 2012	Page D5	Sunday, August 5, 2012	Page D5
Huntsville Item	Tuesday, July 31, 2012	Page 8A	Sunday, August 5, 2012	Page 3C
Polk County Enterprise	Sunday, July 29, 2012	Page 10B	Sunday, August 5, 2012	Page 10B
San Jacinto News-Times	Thursday, August 2, 2012	Page 9A	Thursday, August 9, 2012	Page 8
The Silsbee Bee	Wednesday, August 1, 2012	Section 2 Page 6	Wednesday, August 8, 2012	Section 2 Page 6
The Courier	Sunday, July 29, 2012	Page 4C	Sunday, August 5, 2012	Page 5C
The Facts	Sunday, July 29, 2012	Page 9B	Sunday, August 5, 2012	Page 7B
The Progress	Wednesday, August 1, 2012	Page 15	Wednesday, August 8, 2012	Page 10
The Times Tribune	Thursday, August 2, 2012	Page 8	Thursday, August 9, 2012	Page 14
Wharton Journal-Spectator	Wednesday, August 1, 2012	Page B4	Wednesday, August 8, 2012	Page B5




## J.2.2 Website

The project information can be found via the internet at  
<http://www.oapmenvironmental.com/>

7/6/12


OAPM Environmental




Home NEPA OAPM Resources

## Houston Metroplex

The Houston OAPM project will increase the efficiency and reliability of the air traffic control system while maintaining safety of air traffic operations by making better use of newer aircraft navigational technology that is not dependent on ground-based navigational aids. This OAPM project focuses primarily on arrival and departure procedures for George Bush Intercontinental (IAH) and William P. Hobby (HOU) airports.



[Continue Reading »](#)




### What is NEPA?

The National Environmental Policy Act of 1969 (NEPA) requires federal agencies to disclose to decision makers and the interested public a clear, accurate description of potential environmental impacts of proposed federal actions and reasonable alternatives to those actions.

The Federal Aviation Administration (FAA) has established a process to ensure compliance with the provisions of NEPA through FAA Order 1050.1E, Environmental Impacts: Policies and Procedures.

[Continue Reading »](#)




### What is OAPM?

Following the recommendations of the Aviation community the FAA created an Initiative called the Optimization of the Airspace and Procedures in the Metroplex (OAPM).

A Metroplex is a geographic area covering several airports, serving major metropolitan areas and a diversity of aviation stakeholders. Congestion, airport activity in close geographical proximity, and other limiting factors such as environmental constraints combine to reduce efficiency in busy Metroplexes.

[Continue Reading »](#)




### How do you optimize airspace?

The Optimization Plan consists of two types of teams.

Study Teams, made up of controllers, pilots, airport operations and technical team, will analyze a Metroplex's operational challenges and situations and explore the opportunities.

Study Teams will make recommendations based on the individual needs of the airspace and the users. Design and Implementation Teams will execute the optimization and Airspace projects identified as top priorities for specific Metroplexes.

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7/6/12

OAPM Environmental-NEPA



OAPM Environmental  
Optimizing the Airspace Above Our Cities

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[Home](#) » [NEPA](#)

[Houston Metroplex](#)

## National Environmental Policy Act (NEPA)

The [National Environmental Policy Act of 1969 \(NEPA\)](#) requires federal agencies to disclose to decision makers and the interested public a clear, accurate description of potential environmental impacts of proposed federal actions. Through NEPA, Congress directed federal agencies to integrate environmental factors in their planning and decision making processes and to encourage and facilitate public involvement in decisions that affect the quality of the human environment. The FAA has established a process to ensure compliance with the provisions of NEPA through [FAA Order 1050.1E, Environmental Impacts: Policies and Procedures](#).<sup>[1]</sup>

The [OAPM](#) process involves operational improvements that require the FAA's environmental review in accordance with NEPA. The FAA's goal is to ensure timely, effective and efficient environmental review. NEPA is a national charter to protect the environment. The basic framework of NEPA is for all Federal agencies, to the fullest extent possible, to interpret and administer their responsibilities in accordance with national environmental policies. NEPA procedures ensure that accurate and high quality environmental information is available to public officials and citizens before Federal decisions are made or actions are taken that may affect the environment. Each Federal agency is charged with developing methods and procedures, in consultation with [Council on Environmental Quality \(CEQ\)](#), to give environmental values appropriate consideration in agency decisions along with economic and technical values.

CEQ provides Federal leadership on the implementation of NEPA through regulations (40 CFR 1500-1508) and guidance applicable across the Federal government. The NEPA guidance of each Federal department and agency must be consistent with the CEQ regulations and must have concurrence by CEQ. [FAA Order 1050.1E, Environmental Impacts: Policies and Procedures](#) is the FAA's guidance for complying with NEPA and other special purpose environmental laws and regulations (e.g., Clean Air Act, Clean Water Act, Endangered Species Act). Consistent with this Order, the FAA is responsible for conducting an environmental review of all proposed actions and decisions within its purview that affect the environment. FAA actions and decisions include but are not limited to the implementation of air traffic procedures and airspace redesign. OAPM implementing actions are subject to NEPA, just as are other FAA actions.

[For more information about NEPA](#)

<sup>[1]</sup> U.S. Department of Transportation, Federal Aviation Administration, Order 1050.1E, *Environmental Impacts: Policies and Procedures*, June 8, 2004, Change 1 effective March 20, 2006.

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7/6/12

OAPM Environmental-Metroplexes



**OAPM Environmental**  
Optimizing the Airspace Above Our Cities

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[Home](#) » [OAPM](#)

[Houston Metroplex](#)

## OAPM

A Metroplex is a geographic area covering several airports, serving major metropolitan areas and a diversity of aviation stakeholders such as NAS users, FAA, and other lines of business and airport operators. Congestion, airport activity in close geographical proximity, and other limiting factors such as environmental constraints combine to reduce efficiency in busy Metroplexes. Watch this [video](#) to learn more.

In response to recommendations from the aviation community through RTCA's NextGen Mid-Term Implementation Task Force, the FAA is putting integrated NextGen capabilities in place to improve air traffic flow for an entire region, or metroplex. [Click on map to see larger image.](#)

The FAA has identified 21 metroplexes—geographic areas that include several commercial and general aviation airports in close proximity serving large metropolitan areas.

By the metroplex, the FAA provides solutions on a regional scale, rather than at the airport or set of procedures. The optimization plan takes into account all airports and airspace that support each metropolitan area as well as how air traffic in those areas interacts with other metroplexes. It considers myriad factors including safety, efficiency, capacity, access and environmental impact.

Using a consistent, repeatable approach, study teams of FAA and aviation community experts analyze the operational challenges of metroplexes and explore airspace and procedures optimization opportunities. Collaborative design and implementation teams then put in place the solutions the study teams recommend, including performance-based navigation procedures and airspace redesign.



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# NextGEN



**Federal Aviation  
Administration**

*The Next Generation Air Transportation System, or NextGen, is a transformative change in the management and operation of how we fly, which will reduce delays, save fuel and lower carbon emissions. This comprehensive initiative integrates new and existing technologies, including satellite navigation and advanced digital communications. Airports and aircraft in the US national airspace system (NAS) will be connected to NextGen's advanced infrastructure and will continually share information in real-time to improve air transportation's safety, speed, efficiency and environmental impacts. The combined initiatives that make up NextGen will provide a better travel experience.*

**www.faa.gov/nextgen**

September 2011

## OPTIMIZATION OF AIRSPACE AND PROCEDURES IN THE METROPLEX

In response to recommendations from the aviation community through RTCA's NextGen Mid-Term Implementation Task Force, the FAA is putting integrated NextGen capabilities in place to improve air traffic flow for an entire region, or metroplex.

The FAA has identified 21 metroplexes—geographic areas that include several commercial and general aviation airports in close proximity serving large metropolitan areas. Airspace congestion and other limiting factors, such as environmental constraints, combine to reduce efficiency in those areas.

By optimizing airspace and procedures in the metroplex, the FAA provides solutions on a regional scale, rather than focusing on a single airport or set of procedures. The optimization plan takes into account all airports and airspace that support each metropolitan area as well as how air traffic in those areas interacts with other metroplexes. It considers myriad factors including safety, efficiency, capacity, access and environmental impact.

Using a consistent, repeatable approach, study teams of FAA and aviation community experts analyze the operational challenges of metroplexes and explore airspace and procedures optimization opportunities. Collaborative design and implementation teams then put in place the solutions the study teams recommend, including performance-based navigation procedures and airspace redesign.



*The FAA's plan to optimize airspace and procedures will address congestion in 21 metropolitan areas.*



7/6/12

OAPM Environmental-Houston Metroplex



OAPM Environmental  
Optimizing the Airspace Above Our Cities

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[Federal Infrastructure  
Projects Dashboard](#)

[EA Process Timeline](#)

[Documents](#)

[Public Input](#)

[Contact](#)

## Houston OAPM EA

### Welcome to the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) Environmental Assessment Website

The Federal Aviation Administration (FAA) is conducting an Environmental Assessment (EA) for proposed Area Navigation (RNAV) and Required Navigation Performance (RNP) procedures in the Houston Metropolitan Area.

Please use the navigation bar on left to learn important information about the EA, including related documents, project schedule and FAA contact information.

#### The Project

The Houston OAPM project would improve the efficiency of the national airspace system in the Houston metroplex by redesigning aircraft arrival and departure procedures at a number of airports, including George Bush Intercontinental Airport (IAH) and William P. Hobby Airport (HOU). The project would involve changes in aircraft flight paths and altitudes in certain areas, but would not require any ground disturbance or increase the number of aircraft operations within southeast Texas airspace.

To evaluate potential environmental impacts of the Houston OAPM project, the FAA has established a Primary Study Area, consisting of the area within a 50 nautical mile radius of a point midway between IAH and HOU, to evaluate potential impacts of changes in aircraft routing that are proposed to occur below 10,000 feet above ground level (AGL). The following 19 counties, in part or in whole, are in the Primary Study area: Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Grimes, Hardin, Harris, Jefferson, Liberty, Matagorda, Montgomery, Polk, San Jacinto, Walker, Waller, Washington, and Wharton. The FAA has also established a Supplemental Study Area, consisting of the area within an 85 nautical mile radius of a point midway between IAH and HOU, to assess potential effects of changes in aircraft routing between 10,000 and 18,000 feet AGL. The Supplemental Study Area includes the 19 counties in the Primary Study Area plus an additional 16 Texas counties and two Louisiana parishes (in part or in whole, 35 counties and two parishes total). These include: Angelina, Brazos, Burleson, Fayette, Houston, Jackson, Jasper, Lavaca, Lee, Leon, Madison, Newton, Orange, Robertson, Trinity, Tyler, Calcasieu (Louisiana), Cameron (Louisiana). The graphic below depicts the two study areas.

The FAA has begun preparation of the EA and intends to issue it in December 2012. The target date for publication of the Houston metroplex optimized procedures is December 12, 2013.



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1/1



Houston OAPM EA

J-75

January 2013



7/6/12

NextGen Infrastructure Initiative - Houston Metroplex (OAPM) | Federal Infrastructure Projects Dashboard

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#### Lead Agency

Department of Transportation

#### Accountable POC

Dennis E. Roberts

#### Project Status

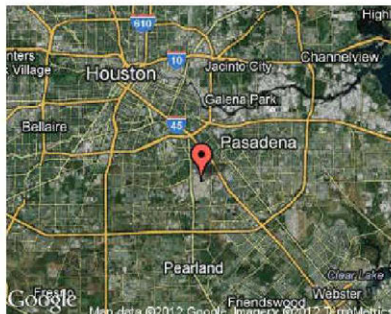
In Progress

#### Download



#### Project Website

<http://www.faa.gov/nextgen/>



#### Description

NextGen is the modernization of our national airspace - a complex initiative that integrates new and existing technologies. The FAA has created the OAPM initiative to optimize the airspace, and estimates that this pilot project in Houston will translate to an estimated annual savings of 2.5 to 6.9 million gallons of fuel and reduces carbon emissions by 26K to 71K tons. Watch concept video.

[Read More](#)

### Reviews, Approvals and Permits

Click on the ▼ icon to view more information.

Title	Type	Approval Agency	Approval Agency POC Name	Target Completion Date	Status
<a href="#">Study</a>	Permit	Federal Aviation Administration (12) - DOT(021)	Dennis E. Roberts	08/19/2011	Completed
<a href="#">Coordination</a>	Permit	Federal Aviation Administration (12) - DOT(021)	Dennis E. Roberts	01/09/2012	Completed
<a href="#">Design</a>	Permit	Federal Aviation Administration (12) - DOT(021)	Dennis E. Roberts	07/06/2012	In Progress
<a href="#">Evaluation</a>	Permit	Federal Aviation Administration (12) - DOT(021)	Dennis E. Roberts	01/11/2013	In Progress
<a href="#">Implementation</a>	Permit	Federal Aviation Administration (12) - DOT(021)	Dennis E. Roberts	01/10/2014	Planned
<a href="#">Post Implementation</a>	Permit	Federal Aviation Administration (12) - DOT(021)	Dennis E. Roberts	06/06/2014	Planned

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[permits.performance.gov/projects/nextgen-infrastructure-initiative-houston-metroplex-oapm](http://permits.performance.gov/projects/nextgen-infrastructure-initiative-houston-metroplex-oapm)

1/1



7/6/12

OAPM Environmental-Frequently Asked Questions



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[Home](#)

[NEPA](#)

[OAPM](#)

[Resources](#)

[Home](#) » [OAPM](#) » [Houston Metroplex](#) » [EA Process Timeline](#)

[Federal Infrastructure  
Projects Dashboard](#)

[EA Process Timeline](#)

[Documents](#)

[Public Input](#)

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## Houston OAPM EA

### Process Timeline

The EA Process Timeline will have the environmental evaluation by 1/11/13.

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7/6/12

Metroplexes



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[Home](#)

[NEPA](#)

[OAPM](#)

[Resources](#)

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[Federal Infrastructure  
Projects Dashboard](#)

[EA Process Timeline](#)

[Documents](#)

[Public Input](#)

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## Houston OAPM EA

### Documents

The following EA related information is currently available or will be available and posted when completed by the FAA:

1. Environmental Assessment (not available at this time)
2. Finding of No Significant Impact (FONSI) - if applicable
3. FAA Record of Decision (not available at this time)

The [FAA](#), [Department of Transportation](#) and the [White House](#) have additional websites regarding this project.

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7/6/12

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[Home](#)

[NEPA](#)

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[Resources](#)

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[EA Process Timeline](#)

[Documents](#)

[Public Input](#)

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## Houston OAPM EA

### Public Input

The EA and FONSI (if applicable) will be publicly available for 30 days before the FAA makes any final decision on the project. In the meantime, the FAA welcomes public input on the project. Please submit any comments to:

Roger McGrath  
Environmental Specialist/Operations Support Group  
2601 Meacham Boulevard, Fort Worth, TX 76137  
Email: [Houston OAPM](#)

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7/6/12

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[Home](#)

[NEPA](#)

[OAPM](#)

[Resources](#)

[Home](#) » [Resources](#)

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[List of Terms](#)

[Links](#)

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7/6/12

OAPM Environmental-Houston Metroplex



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Optimizing the Airspace Above Our Cities

[Home](#) [NEPA](#) [OAPM](#) [Resources](#)

[Home](#) » [Resources](#) » [List of Terms](#)

## List of Terms

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### **Alman's Information Manual (AIM)**

A publication containing basic flight information and air traffic control (ATC) procedures, designed primarily as a pilot's information and instructional manual for use in the National Airspace System.

### **Airport Operations**

Landings (arrivals) and takeoffs (departures) from an airport.

### **Air Route Traffic Control Center (ARTCC or Center)**

A FAA facility established to provide air traffic control service to aircraft operating on Instrument Flight Rules (IFR) flight plans within controlled airspace during the en route portion of flight.

### **Air Traffic Control (ATC)**

A service operated to promote the safe, orderly, and expeditious flow of air traffic.

### **Airport Traffic Control T (ATCT)**

The airport traffic control facility located on an airport that is responsible for traffic separation within the immediate vicinity of the airport and on the surface of the airport.

### **Categorical Exclusion (CATEX)**

"Categorical exclusion" means a category of actions which do not individually or cumulatively have a significant effect on the human environment and which have been found to have no such effect in procedures adopted by a Federal agency in implementation of these regulations (Sec. 1507.3) and for which, therefore, neither an environmental assessment nor an environmental impact statement is required. An agency may decide in its procedures or otherwise, to prepare environmental assessments for the reasons stated in Sec. 1508.9 even though it is not required to do so. Any procedures under this section shall provide for extraordinary circumstances in which a normally excluded action may have a significant environmental effect.

### **Environmental Assessment (EA)**

A concise document that assesses the environmental impacts of a proposed Federal Action. It discusses the need for, and environmental impacts of, the proposed action and alternatives. An environmental assessment should provide sufficient evidence and analysis for a Federal determination whether to prepare an Environmental Impact Statement (EIS) or a Finding of No Significant Impact (FONSI).

### **Environmental Impact Statement (EIS)**

An EIS is a document that provides a discussion of the significant environmental impacts which would occur as a result of a proposed project, and informs decision-makers and the public of the reasonable alternatives which would avoid or minimize adverse impacts.

### **Finding of No Significant Impact (FONSI)**

If, following the preparation of an environmental assessment, the Federal agency determines a proposed project will not result in any significant environmental impact, a finding of no significant impact (FONSI) may be issued by the Federal Agency. A FONSI is a document briefly explaining the reasons why an action will not have a significant effect on the human environment and for which an EIS, therefore, is not necessary.

### **National Airspace System (NAS)**

The common network of U.S. airspace; air navigation facilities, equipment, services, airports, or landing areas; aeronautical charts, information, and services; rules, regulations, and procedures; technical information, manpower, and materials, all of which are used in aerial navigation.

### **National Environmental Policy Act of 1969 (NEPA)**

The basic national charter for protection of the environment, NEPA ensures that high quality, accurate scientific analysis and environmental information is available to public officials and citizens before decisions are made and before actions are taken.

### **Operational Evolution Partnership (OEP)**

Operational Evolution Partnership airports are commercial U.S. airports with significant activity. These airports serve major metropolitan areas and also serve as hubs for airline operations. More than 70 percent of passengers move through these airports. Currently, there are 35 OEP airports.

### **Optimization of Airspace and Procedures in the Metroplex (OAPM)**

Following the recommendations of the Aviation community the FAA created an initiative called the Optimization of Airspace and Procedures in the Metroplex

### **Performance Based Navigation**

Performance-Based Navigation (PBN) is comprised of Area Navigation (RNAV) and Required Navigation Performance (RNP) and describes an aircraft's capability to navigate using performance standards.

### **Area Navigation (RNAV)**

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1/2

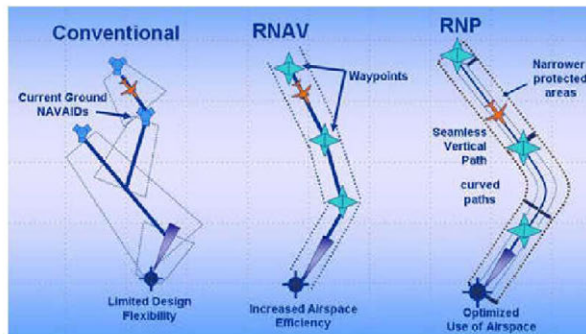




7/6/12

#### OAPM Environmental-Houston Metroplex

RNAV enables aircraft to fly on any desired flight path within the coverage of ground- or space-based navigation aids, or within the limits of the capability of aircraft self-contained systems, or a combination of both capabilities.



#### Required Navigation Performance (RNP)

RNP is RNAV with the addition of an onboard performance monitoring and alerting capability. A defining characteristic of RNP operations is the ability of the aircraft navigation system to monitor the navigation performance it achieves and inform the crew if the requirement is not met during an operation. This onboard monitoring and alerting capability enhances the pilot's situation awareness and can enable reduced obstacle clearance.

Certain RNP operations require advanced features of the onboard navigation function and approved training and crew procedures. These operations must receive approvals that are characterized as Authorization Required (AR), similar to approvals required for operations to conduct Instrument Landing System Category II and III approaches.

#### Proposed Action

The action proposed by a Federal Agency.

#### Purpose and Need

Identifies the "problem" being addressed by the project (need) and how that problem would be addressed by the project.

#### Record of Decision (ROD)

Documents the FAA's decision on the Proposed Action, how the decisions were made, alternatives considered including the Proposed Action, and the preferred alternative; and discusses what mitigation measures are being imposed to lessen significant environmental impacts.  
RNP/RNAV



7/6/12

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[Home](#)   [NEPA](#)   [OAPM](#)   [Resources](#)

[Home](#) » [Resources](#) » [Links](#)

[List of Terms](#)

[Links](#)

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[FAA Air Traffic General Information](#)  
[FAA Air Traffic Environmental Information](#)  
[FAA Air Traffic Publications](#)  
[FAA NextGEN](#)  
[FAA NextGEN Fact Sheet \(PDF\)](#)  
[FAA NextGen Performance](#)  
[Federal Infrastructure Projects Dashboard](#)  
[FAA Environmental Program](#)  
[FAA Order 1050.1E \(PDF\)](#)  
[FAA Order JO 7400.2H, Procedures for Handling Airspace Matters](#)

### Press Releases

[U.S. Deputy Transportation Secretary Porcari and Acting FAA Administrator Huerta Launch NextGen Initiative in Houston](#)

[Houston-area airports join FAA flight path effort to increase on-time, fuel-efficient travel](#)

### Speeches

[Satellite-Based Routes in Houston Improve On-Time Flights, Enhance Safety and Fuel Efficiency](#)

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7/6/12

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[Home](#)   [NEPA](#)   [OAPM](#)   [Resources](#)

[Home](#) » [Privacy Policy](#)

[Houston Metroplex](#)

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### **J.3 Responses and Comments**







# Environmental Assessment for Houston Optimization of Airspace and Procedures in the Metroplex

## RESPONSE TABLE

### Comments Received during Early Consultation

Agency/Organization	Name	Letter Date	Comment Number	Comment	FAA Response
Attorney	Tim Honeycutt	6/18/2012	1	How and when can I find out the anticipated locations of these new departure and arrival routes that align airplanes on preferred paths?	The Environmental Assessment will be made available to the public online and at Houston Central Library. Public notices of availability will be published in area newspapers.
Department of Agriculture - Forest Service - National Forest and Grasslands in Texas	Mark Van Every	7/31/2012	1	The National Forests and Grasslands in Texas (NFGT) is concerned about the impacts of the Houston OAPM project to the endangered Red-cockaded woodpecker (RCW). This species is present on all three national forests within the proposed project area. A specific concern would be impacts to the RCW from proposed changes to air flight paths and altitudes over the Sam Houston National Forest which has the largest population of RCWs.	The Wildlife Strike Database does not identify any specific strikes associated with study airports of the red-cockaded woodpecker, or any other woodpecker species. In addition, the red-cockaded woodpecker altitude range is recognized as ground level to approximately 500 meters (approximately 1,640 feet). Please see Section 4.2.8.2. Flight track altitudes over the Sam Houston National Forest for the Proposed Action are expected to be in the range of 5,500 to 30,000 feet MSL. Aircraft altitudes at or below 2,000 ft AGL, especially associated with Lone Star Airport, are not being modified as part of this project.



# Environmental Assessment for Houston Optimization of Airspace and Procedures in the Metroplex

**RESPONSE TABLE**  
**Comments Received during Early Consultation**

Agency/Organization	Name	Letter Date	Comment Number	Comment	FAA Response
Environmental Protection Agency	Rhonda Smith	8/13/2012	1	To assist in the scoping process for this project, we have identified several issues for your attention in the preparation of the EA and enclosed detailed scoping comments for your consideration. EPA is most concerned about the following issues: alternative development, air quality impacts, cumulative impacts, climate change, noise impacts, environmental justice, tribal coordination, National Historic Preservation Act, and land use planning.	Comment Noted - see EPA 8/13/2012 # 4 to 12
Environmental Protection Agency - Attachment	Rhonda Smith	8/13/2012	3	Purpose and Need - The EA should clearly identify the underlying purpose and need to which the FAA is responding in proposing the alternatives (40 CFR 1502.13). The purpose of the proposed action is typically the specific objectives of the activity, while the need for the proposed action may be to eliminate a broader underlying problem or take advantage of an opportunity.	Concur - Please see sections 2.1 & 2.2.
Environmental Protection Agency - Attachment	Rhonda Smith	8/13/2012	4	Alternatives Analysis - The National Environmental Policy Act requires evaluation of reasonable alternatives, including those that may not be within the jurisdiction of the lead agency (40 CFR Section 1502.14(c)). A robust range of alternatives will include options for avoiding significant environmental impacts. The EA should provide a clear discussion of the reasons for the elimination of alternatives which are not evaluated in detail.	The EA complies with alternative requirements in NEPA, CEQ regulations, and FAA NEPA procedures (See FAA Order 1050.1E). Please see Chapter 3.



# Environmental Assessment for Houston Optimization of Airspace and Procedures in the Metroplex

**RESPONSE TABLE**  
**Comments Received during Early Consultation**

Agency/Organization	Name	Letter Date	Comment Number	Comment	FAA Response
Environmental Protection Agency - Attachment	Rhonda Smith	8/13/2012	5	Air Quality - The EA should provide a detailed discussion of ambient air conditions (baseline or existing conditions), National Ambient Air Quality Standards, criteria pollutant nonattainment areas, and potential air quality impacts of the proposed project (including cumulative and indirect impacts). Such an evaluation is necessary to assure compliance with State and Federal air quality regulations, and to disclose the potential impacts from temporary or cumulative degradation of air quality. The EA should describe and estimate air emissions from potential construction and maintenance activities, as well as proposed mitigation measures to minimize those emissions.	The EA addresses potential Air Quality effects in Section 4.2.5 and 5.6.
Environmental Protection Agency - Attachment	Rhonda Smith	8/13/2012	6	Climate Change - The EA should consider how climate change could potentially influence the proposed project, specifically within sensitive areas, and assess how the projected impacts could be exacerbated by climate change.	The EA assesses potential climate impacts in accordance with the FAA memorandum "Considering Greenhouse Gases and Climate Change Under the National Environmental Policy Act (NEPA) : Interim Guidance" (January 12, 2012). Please see Sections 4.2.7 and 5.8.
Environmental Protection Agency - Attachment	Rhonda Smith	8/13/2012	7	Noise Impact - The EA should evaluate how the proposed action will impact existing noise levels in comparison with current airport noise levels and compatible land use in the project affected areas. EPA suggests analysis be conducted using guidance as provided by FAA Order 1050.1E, Appendix A, Section 14 for proper FAA analysis of noise impacts.	Concur. Please see Sections 4.2.1. and 5.2.



# Environmental Assessment for Houston Optimization of Airspace and Procedures in the Metroplex

## RESPONSE TABLE

### Comments Received during Early Consultation

Agency/Organization	Name	Letter Date	Comment Number	Comment	FAA Response
Environmental Protection Agency - Attachment	Rhonda Smith	8/13/2012	8	The cumulative impacts analysis should identify how resources, ecosystems, and communities in the vicinity of the project have already been, or will be, affected by past, present, or future activities in the project area. These resources should be characterized in terms of their response to change and capacity to withstand stresses. Trends data should be used to establish a baseline for the affected resources, to evaluate the significance of historical degradation, and to predict the environmental effects of the project components...we recommend focusing on resources of concern or resources that are "at risk" and/or are significantly impacted by the proposed project, before mitigation. For this project, the FAA should conduct a thorough assessment of the cumulative impacts to aquatic and biological resources, especially in the context of the other developments occurring and proposed in the area.	Cumulative effects are analyzed in Sections 4.4 and 5.12. No cumulative effects on aquatic and biological resources are expected.
Environmental Protection Agency - Attachment	Rhonda Smith	8/13/2012	9	Coordination with Tribal Governments - If applicable, the EA should describe the process and outcome of government-to-government consultation between the FAA and with any and each of the tribal governments within the project area, issues that were raised (if any), and how those issues were addressed in the selection of the proposed alternative.	EO 13175, "Consultation and Coordination with Indian Tribal Governments," directs Federal agencies to consult with Indian Tribes on a government-to-government basis when formulating policies or undertaking actions that would have substantial direct effects on those Indian Tribes. There are no substantial direct effects as a result of the proposed action. Therefore, government-to-government consultation is not required for this EA.  The Alabama-Coushatta Tribe of Texas lives in Polk County within the Supplemental Study Area. The FAA sent an early notification package to the chief of the tribal nation requesting input to the environmental assessment. No formal response was been received nor concerns otherwise expressed to the FAA's knowledge. Please see section 4.2.4 and Section 6.



# Environmental Assessment for Houston Optimization of Airspace and Procedures in the Metroplex

**RESPONSE TABLE**  
**Comments Received during Early Consultation**

Agency/Organization	Name	Letter Date	Comment Number	Comment	FAA Response
Environmental Protection Agency - Attachment	Rhonda Smith	8/13/2012	10	National Historic Preservation Act and Executive Order 13007 - Consultation for tribal cultural resources is required under Section 106 of the National Historic Preservation Act. Historic properties under the NHPA are properties that are included in the National Register of Historic Places or that meet the criteria for the National Register... Under NEPA, any impacts to tribal, cultural, or other treaty resources must be discussed and mitigated. Section 106 of the NHPA requires that Federal agencies consider the effects of their actions on cultural resources, following regulation in 36 CFR 800	Analysis of potential impacts on cultural resources, including tribal resources, and associated consultation is presented in Sections 4.2.4 and 5.5.3 and Appendix J.
Environmental Protection Agency - Attachment	Rhonda Smith	8/13/2012	11	Environmental Justice and Impacted Communities - The EA should include an evaluation of environmental justice populations within the geographic scope of the projects. Assessment of the projects impact on minority and low-income populations should reflect coordination with those affected populations. The EA should also describe outreach conducted to all other communities that could be affected by the project, since rural communities may be among the most vulnerable to health risks associated with the project.	Environmental Justice considerations are presented in Sections 4.2.10 and 5.11.
Environmental Protection Agency - Attachment	Rhonda Smith	8/13/2012	12	Coordination with Land Use Planning Activities - The EA should discuss how the proposed action would support or conflict with the objectives of federal, state, tribal or local land use plans, policies and controls in the project areas. The term "land use plans" includes all types of formally adopted documents for land use planning, conservation, zoning and related regulatory requirements. Proposed plans not yet developed should also be addressed if they have been formally proposed by the appropriate government body in a written form (CEQ's Forty Questions, #23b).	Issues related to land use are discussed in Sections 4.2.2 and 5.3.



# Environmental Assessment for Houston Optimization of Airspace and Procedures in the Metroplex

**RESPONSE TABLE**  
**Comments Received during Early Consultation**

Agency/Organization	Name	Letter Date	Comment Number	Comment	FAA Response
Texas Parks and Wildlife	Amy Turner	8/14/2012	1	The Texas Natural Diversity Database (TXNDD) is intended to assist users in avoiding harm to rare species or significant ecological features... the data from the TXNDD do not provide a definitive statement as to the presence, absence or condition of special species, natural communities, or other significant features within your project area. These data are not inclusive and cannot be used as presence/absence data. This information cannot be substituted for on-the-ground surveys.	Comment noted.
Texas Parks and Wildlife	Amy Turner	8/14/2012	2	The TXNDD is updated continuously based on new, updated and undigitized records; for questions regarding a record, please contact txnodd@tpwd.state.tx.us. Due to the large scope of the project, TPWD recommends that the applicant contact the TXNDD through the email above and request the TXNDD data to adequately evaluate the proposed project's impacts upon rare resources.	Comment noted.
Texas Parks and Wildlife	Amy Turner	8/14/2012	3	Recommendation. Using the county lists of rare species, the portions of the proposed project with potential to support rare species should be field surveyed to determine the extent and quality of the suspect habitat and potential impacts.	The affected environment is the area at altitude where changes in flight procedures are proposed. It does not include rare species and terrestrial habitat. Therefore, no field surveys are necessary. Please see Sections 4.2.8 and 5.9.3 for discussion of Affected Environment and Environmental Consequences to rare species.
Texas Parks and Wildlife	Amy Turner	8/14/2012	4	Recommendation. If rare species or their habitat would be impacted by the proposed project, the applicant should coordinate with TPWD and the USFWS, as appropriate, to determine avoidance, minimization, and mitigation strategies.	The FAA does not anticipate impacts to rare species or their habitat from the proposed action. Please see Sections 4.2.8 and 5.9.



# Environmental Assessment for Houston Optimization of Airspace and Procedures in the Metroplex

**RESPONSE TABLE**  
**Comments Received during Early Consultation**

Agency/Organization	Name	Letter Date	Comment Number	Comment	FAA Response
Texas Parks and Wildlife	Amy Turner	8/14/2012	5	Because the project area is located within the Central Flyway, during spring and fall migration periods, the density of migrating birds, ranging in size from small Neo-Tropical songbirds to large raptors, can be extremely high, increasing the risk of bird aircraft strike hazards. Due to the number of resident and migratory birds in the area, their daily and/or seasonal movements can create various hazardous conditions for pilots. Raptors (hawks, falcons, kites, eagles and vultures) are likely to be one of the most often encountered guilds in the area. These birds can be particularly hazardous to aircraft because of their size and widespread distribution. Raptors, particularly vultures, use thermals to their advantage to search for prey. These birds become active during mid-morning and remain aloft until late afternoon.	Comment noted. The Wildlife Strikes database provides information on historical rates of collisions between aircraft and wildlife, including raptors. Nothing in the wildlife strikes database or scientific literature suggests that changes in flight procedures would result in a significant change in collision rates.
Texas Parks and Wildlife	Amy Turner	8/14/2012	6	Please be aware that many birds are protected by the Migratory Bird Treaty Act (MBTA) which provides for a year-round closed season for non-game birds and prohibits the taking of migratory bird, nests, and eggs, except as permitted by the U.S. Fish and Wildlife Service (USFWS). The MBTA also imposes liability upon those who unintentionally violate the MBTA. Any habitat modification that includes clearing vegetation should be done outside of the migratory bird nesting season (which is April through July) in order to avoid or minimize potential impacts to migratory birds.	Comment noted. Please see discussion of the MBTA in Sections 4.2.8.1 and 5.9.
Montgomery County	Alan Sadler	8/15/2012	1	We request that any proposed changes to the flight tracks of current arrival/departure routes below 10,000 feet be depicted in the environmental assessment document on a map so that we may recognize any potential impacts.	Chapter 3 (Alternatives) includes graphic depictions of existing and proposed arrival and departure routes. As a general rule, flights below 10,000 feet above ground level (AGL) would occur within the primary study area (PSA), while flights above 10,000 feet AGL would generally occur within the supplemental study area (SSA).



# Environmental Assessment for Houston Optimization of Airspace and Procedures in the Metroplex

## RESPONSE TABLE

### Comments Received during Early Consultation

Agency/Organization	Name	Letter Date	Comment Number	Comment	FAA Response
Department of the Interior - Fish and Wildlife Service	Edith Erfling	8/21/2012	1	A county-by-county listing of federally-listed threatened and endangered species that occur within this office's work area can be found at <a href="http://www.fws.gov/southwest/es/EndangeredSpecies/EndangeredSpecies_Lists/EndangeredSpecies_Lists_Main.cfm">http://www.fws.gov/southwest/es/EndangeredSpecies/EndangeredSpecies_Lists/EndangeredSpecies_Lists_Main.cfm</a> . You should use the county-by-county listing and other current species information to determine whether suitable habitat for a listed species is present at your project site. If suitable habitat is present, a qualified individual should conduct surveys to determine whether a listed species is present.	Since the proposed action would only involve changes in aircraft routing, the EA focuses analysis on bats, migratory birds, and wildlife in the vicinity of study area airports. The proposed action is not likely to adversely affect species in the study area or their habitat. Please see Sections 4.2.8 and 5.9.
Department of the Interior - Fish and Wildlife Service	Edith Erfling	8/21/2012	2	After completing a habitat evaluation and or any necessary surveys, you should evaluate the project for potential effects to the listed species and make one of the following determinations: No effect, Is not likely to adversely affect, Is likely to adversely affect.	Please refer to response to USFWS comment #1 dated 08/21/2012. The FAA has determined that the proposed action is not likely to adversely affect the listed species or critical habitat. Please see Section 5.9.
Department of the Interior - Fish and Wildlife Service	Edith Erfling	8/21/2012	3	Regardless of your determination, the Service recommends that you maintain a complete record of the evaluation, including steps leading to the determination of affect, the qualified personnel conducting the evaluation, habitat conditions, site photographs, and any other related articles. The Service's Consultation Handbook is available online to assist you with further information on definitions, process, and fulfilling Endangered Species Act requirements for your projects at: <a href="http://www.fws.gov/endangered/esa-library/pdf/esa_section7_handbook.pdf">http://www.fws.gov/endangered/esa-library/pdf/esa_section7_handbook.pdf</a>	Comment noted.



# Environmental Assessment for Houston Optimization of Airspace and Procedures in the Metroplex

## RESPONSE TABLE

### Comments Received during Early Consultation

Agency/Organization	Name	Letter Date	Comment Number	Comment	FAA Response
Texas Historical Commission - State Historic Preservation Officer	Kelly Little	9/7/2012	1	As part of consultation under section 106, the EA should address the effect of the proposed undertaking on those historic properties. An effect occurs when an action alters the characteristics of a property that qualify it for listing in the National Register of Historic Places, including changes to the property's location, design, setting, materials, workmanship, feeling, and association. An undertaking of this type would not have the potential to directly impact historic resources, so we will be interested in an analysis of indirect effects. The introduction of visual, atmospheric or audible elements that diminish the integrity of the properties' significant historic features would be considered to adversely affect the historic resources.	Comment noted.
National Park Service	Crystal Salas	8/14/2012	1	The National Park Service has no comment on this subject project.	Comment Noted



# Environmental Assessment for Houston Optimization of Airspace and Procedures in the Metroplex

From: Tim Honeycutt <[timhoneycutt@earthlink.net](mailto:timhoneycutt@earthlink.net)>  
ASW-005, Office of Communications  
To: Lynn Lunsford/ASW/FAA@FAA,  
Date: 04/05/2012 02:18 PM  
Subject: Houston airports to improve on-time flights, increase safety and fuel efficiency

---

Dear Ms. (Mr.) Lunsford:

How and when can I find out the anticipated locations of these new departure and arrival routes that align airplanes on preferred paths? Thanks.

--

Regards,



Tim Honeycutt  
Attorney at Law  
16607 Saint Johns Wood Dr.  
Tomball, Texas 77377  
281.379.7999 voice  
832.565.1761 fax



# Environmental Assessment for Houston Optimization of Airspace and Procedures in the Metroplex



United States  
Department of  
Agriculture

Forest  
Service

National Forests and Grasslands  
in Texas  
Supervisors Office

2221 North Raguet Street  
Lufkin, TX 75904  
Phone 936-639-8501  
TDD# 936-639-8560

File Code: 1950

RECEIVED AUG 21 2012

Date: July 31, 2012

Mr. Roger McGrath  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, TX 76137

Dear Mr. McGrath:

This is in response to your letter dated July 20, 2012 concerning preparation of an Environmental Assessment (EA) for implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

Three national forests (Sam Houston, Davy Crockett and Angelina National Forests) are either in the primary study area or supplemental study area for this project.

The National Forests and Grasslands in Texas (NFGT) is concerned about the impacts of the Houston OAPM project to the endangered Red-cockaded woodpecker (RCW). This species is present on all three national forests within the proposed project area. A specific concern would be impacts to the RCW from proposed changes to airflight paths and altitudes over the Sam Houston National Forest which has the largest population of RCWs.

The NFGT is interested in providing input on the EA prepared for this project. By this letter, I designate Forest Planner Lynn Jackson as the primary contact for this project. Ms. Jackson can be reached at the mailing address above, phone number 936-639-8581 or email address [lynnjackson@fs.fed.us](mailto:lynnjackson@fs.fed.us).

Thank you for allowing the NFGT to comment.

Sincerely,

MARK E. VAN EVERY  
Forest Supervisor





U.S. DEPARTMENT OF AGRICULTURE  
USDA FOREST SERVICE  
2221 NORTH RAGUET STREET  
LUFKIN, TX 75904

**Roger McGrath**  
Operation Support Group  
2601 Meacham Boulevard  
Fort Worth, TX 76137

4500 median tile

76137+4234

[illegible]





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS TX 75202-2733

August 13, 2012

Roger McGrath  
Environmental Specialist  
Operations Support Group  
Federal Aviation Administration (FAA)  
2601 Meacham Boulevard  
Fort Worth, TX 76137

Subject: Scoping Request on the Notice of Intent to Prepare an Environmental Assessment (EA) for the Houston Optimization of Airspace and Procedures in the Metroplex (OAPM), Houston, Texas

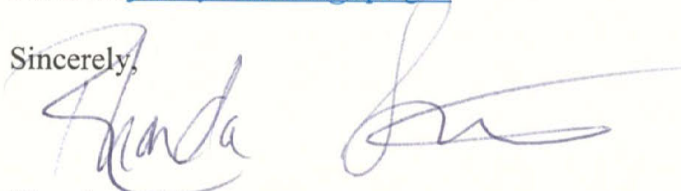
Dear Mr. McGrath:

The Region 6 office of the U.S. Environmental Protection Agency has reviewed the July 20, 2012, Notice of Intent (NOI) to prepare an EA for the Houston Optimization of Airspace and Procedures in the Metroplex (OAPM). Our comments are provided pursuant to the National Environmental Policy Act (NEPA), Council on Environmental Quality (CEQ) regulations (40 CFR Parts 1500-1508) and Section 309 of the Clean Air Act.

To assist in the scoping process for this project, we have identified several issues for your attention in the preparation of the EA and enclosed detailed scoping comments for your consideration. EPA is most concerned about the following issues: alternative development, air quality impacts, cumulative impacts, climate change, noise impacts, environmental justice, tribal coordination, National Historic Preservation Act, and land use planning.

We appreciate the opportunity to review this NOI and are available to discuss our comments. Please send one hard copy of the Draft EA and four CD ROM copies to this office when completed and submitted for public comment. If you have any questions, please contact Michael Jansky of my staff at (214) 665-7451 or by e-mail at [jansky.michael@epa.gov](mailto:jansky.michael@epa.gov).

Sincerely,

  
Rhonda Smith  
Chief, Office of Planning  
and Coordination

Enclosure:



**DETAILED SCOPING COMMENTS  
ON THE  
NOTICE OF INTENT (NOI) FOR THE  
FEDERAL AVIATION ADMINISTRATION (FAA)  
TO PREPARE AN  
ENVIRONMENTAL ASSESSMENT (EA) ON THE HOUSTON OPTIMIZATION  
OF AIRSPACE AND PROCEDURES IN THE METROPLEX (OAPM)  
OF HOUSTON, TEXAS**

---

Proposed Project

In compliance with the National Environmental Policy Act of 1969 (NEPA), as amended, the FAA intends to prepare an Environmental Assessment (EA) analyzing the impacts of the proposed Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project. This EA will be used by FAA in its decision making process to determine whether the project is in the public interest. FAA will serve as the lead Federal agency under the NEPA process and is responsible for the preparation of the EA.

Statement of Purpose and Need

The EA should clearly identify the underlying purpose and need to which the FAA is responding in proposing the alternatives (40 CFR 1502.13). The purpose of the proposed action is typically the specific objectives of the activity, while the need for the proposed action may be to eliminate a broader underlying problem or take advantage of an opportunity.

Alternatives Analysis

The National Environmental Policy Act requires evaluation of reasonable alternatives, including those that may not be within the jurisdiction of the lead agency (40 CFR Section 1502.14(c)). A robust range of alternatives will include options for avoiding significant environmental impacts. The EA should provide a clear discussion of the reasons for the elimination of alternatives which are not evaluated in detail.

Air Quality

The EA should provide a detailed discussion of ambient air conditions (baseline or existing conditions), National Ambient Air Quality Standards, criteria pollutant nonattainment areas, and potential air quality impacts of the proposed project (including cumulative and indirect impacts). Such an evaluation is necessary to assure compliance with State and Federal air quality regulations, and to disclose the potential impacts from temporary or cumulative degradation of air quality. The EA should describe and estimate air emissions from potential construction and maintenance activities, as well as proposed mitigation measures to minimize those emissions.



### Climate Change

Scientific evidence supports the concern that continued increases in greenhouse gas emissions resulting from human activities will contribute to climate change. Global warming is caused by emissions of carbon dioxide and other heat-trapping gases. On December 7, 2009, the EPA determined that emissions of greenhouse gases (GHG) contribute to air pollution that “endangers public health and welfare” within the meaning of the Clean Air Act. Higher temperatures and increased winter rainfall will be accompanied by a reduction in snow pack, earlier snowmelts, and increased runoff. Some of the impacts, such as reduced groundwater discharge, and more frequent and severe drought conditions, may impact the proposed projects. The EA should consider how climate change could potentially influence the proposed project, specifically within sensitive areas, and assess how the projected impacts could be exacerbated by climate change.

### Noise Impact

The EA should evaluate how the proposed action will impact existing noise levels in comparison with current airport noise levels and compatible land use in the project affected areas. EPA suggests analysis be conducted using guidance as provided by *FAA Order 1050.1E, Appendix A, Section 14* for proper FAA analysis of noise impacts.

### Cumulative and Indirect Impacts

The cumulative impacts analysis should identify how resources, ecosystems, and communities in the vicinity of the project have already been, or will be, affected by past, present, or future activities in the project area. These resources should be characterized in terms of their response to change and capacity to withstand stresses. Trends data should be used to establish a baseline for the affected resources, to evaluate the significance of historical degradation, and to predict the environmental effects of the project components.

For the cumulative impacts assessment, we recommend focusing on resources of concern or resources that are “at risk” and/or are significantly impacted by the proposed project, before mitigation. For this project, the FAA should conduct a thorough assessment of the cumulative impacts to aquatic and biological resources, especially in the context of the other developments occurring and proposed in the area.

### Coordination with Tribal Governments

Executive Order 13175, *Consultation and Coordination with Indian Tribal Governments* (November 6, 2000), was issued in order to establish regular and meaningful consultation and collaboration with tribal officials in the development of federal policies that have tribal implications, and to strengthen the United States government-to-government relationships with Indian tribes. If applicable, the EA should describe the process and outcome of government-to-government consultation between the FAA and with any and each of the tribal governments within the project area, issues that were raised (if any), and how those issues were addressed in the selection of the proposed alternative.



### National Historic Preservation Act and Executive Order 13007(NRHA)

Consultation for tribal cultural resources is required under Section 106 of the National Historic Preservation Act. Historic properties under the NHPA are properties that are included in the National Register of Historic Places or that meet the criteria for the National Register. Section 106 of the NHPA requires a federal agency, upon determining that activities under its control could affect historic properties, consult with the appropriate State Historic Preservation Officer (SHPO)/Tribal Historic Preservation Officer (THPO). Under NEPA, any impacts to tribal, cultural, or other treaty resources must be discussed and mitigated. Section 106 of the NHPA requires that Federal agencies consider the effects of their actions on cultural resources, following regulation in 36 CFR 800.

### Environmental Justice and Impacted Communities

Executive Order 12898, *Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations* (February 11, 1994) and the Interagency Memorandum of Understanding on Environmental Justice (August 4, 2011) direct federal agencies to identify and address disproportionately high and adverse human health or environmental effects on minority and low-income populations, allowing those populations a meaningful opportunity to participate in the decision-making process. Guidance<sup>1</sup> by CEQ clarifies the terms low-income and minority population (which includes Native Americans) and describes the factors to consider when evaluating disproportionately high and adverse human health effects. The EA should include an evaluation of environmental justice populations within the geographic scope of the projects. Assessment of the projects impact on minority and low-income populations should reflect coordination with those affected populations. The EA should also describe outreach conducted to all other communities that could be affected by the project, since rural communities may be among the most vulnerable to health risks associated with the project.

### Coordination with Land Use Planning Activities

The EA should discuss how the proposed action would support or conflict with the objectives of federal, state, tribal or local land use plans, policies and controls in the project areas. The term “land use plans” includes all types of formally adopted documents for land use planning, conservation, zoning and related regulatory requirements. Proposed plans not yet developed should also be addressed if they have been formally proposed by the appropriate government body in a written form (CEQ's Forty Questions, #23b).

---

<sup>1</sup> Environmental Justice Guidance under the National Environmental Policy Act, Appendix A (Guidance for Federal Agencies on Key Terms in Executive Order 12898), CEQ, December 10, 1997.





United States  
Environmental Protection Agency  
Region 6  
1445 Ross Ave, Ste 1200  
Dallas, TX 75202-2733

<http://www.epa.gov/region6>  
1-800-887-6063

REPLY TO MAIL CODE: 614117

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Roger McGrath  
Environmental Specialist  
Operations Support Group  
Federal Aviation Administration (FAA)  
2601 Meacham Boulevard  
Fort Worth, TX 76137

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Life's better outside.®

August 14, 2012

Roger McGrath  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, Texas 76137

Commissioners

T. Dan Friedkin  
Chairman  
Houston

Ralph H. Duggins  
Vice-Chairman  
Fort Worth

Antonio Falcon, M.D.  
Rio Grande City

Karen J. Hixon  
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Dan Allen Hughes, Jr.  
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Bill Jones  
Austin

Margaret Martin  
Boerne

S. Reed Morian  
Houston

Dick Scott  
Wimberley

Lee M. Bass  
Chairman-Emeritus  
Fort Worth

Carter P. Smith  
Executive Director

RE: Houston Optimization of Airspace and Procedures in the Metroplex

Dear Mr. McGrath:

The Texas Parks and Wildlife Department (TPWD) has received your request for information regarding potential impacts to threatened and endangered species and for information on other issues of concern relating to the project referenced above. Under Section 12.0011 of the Texas Parks and Wildlife Code, TPWD is charged with "providing recommendations that will protect fish and wildlife resources to local, state, and federal agencies that approve, permit, license, or construct developmental projects" and "providing information on fish and wildlife resources to any local, state, and federal agencies or private organizations that make decisions affecting those resources."

The Federal Aviation Administration intends to prepare an EA to consider the potential impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project. The Houston OAPM project would improve the efficiency of the national airspace system in the Houston metroplex by optimizing aircraft arrival and departure procedures at a number of airports, including George Bush Intercontinental Airport (IAH) and William P. Hobby (HOU). The project would involve changes in aircraft flight paths and altitudes in certain areas, but would not require any ground disturbance or increase the number of aircraft operation within southeast Texas airspace.

TPWD reviewed the location of the proposed project and offers comments and recommendations concerning the following:

- Rare and protected species
- Migratory birds

Rare and protected species

The Texas Natural Diversity Database (TXNDD) is intended to assist users in avoiding harm to rare species or significant ecological features. Given the small proportion of public versus private land in Texas, the TXNDD does not include a representative inventory of rare resources in the state. Absence of information in the database does not imply that a species is absent from that area. Although it is based on the best data available to TPWD regarding rare species, the data from the TXNDD do not provide a definitive statement as to the presence, absence or condition of special species, natural communities, or other significant features within your project area. These data are not inclusive and **cannot be used as presence/absence data**. This information cannot be substituted for on-the-ground surveys. The TXNDD is updated continuously based on new, updated and



Mr. McGrath  
Page 2  
August 14, 2012

undigitized records; for questions regarding a record, please contact [txndd@tpwd.state.tx.us](mailto:txndd@tpwd.state.tx.us).

Due to the large scope of the project, TPWD recommends that the applicant contact the TXNDD through the email above and request the TXNDD data to adequately evaluate the proposed project's impacts upon rare resources.

#### TPWD County Lists

The TPWD county lists for rare species may be obtained from the following link: [http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered\\_species/](http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/). These lists provide information regarding rare species that have potential to occur within each county. Rare species could potentially be impacted if suitable habitat is present at or near the project site.

Recommendation. Using the county lists of rare species, the portions of the proposed project with potential to support rare species should be field surveyed to determine the extent and quality of the suspect habitat and potential impacts.

Recommendation. If rare species or their habitat would be impacted by the proposed project, the applicant should coordinate with TPWD and the USFWS, as appropriate, to determine avoidance, minimization, and mitigation strategies.

#### Migratory birds

Topographic features (*e.g.*, plateaus), streams, creeks, and vegetated areas influence the distribution and abundance of avian species. Many birds establish flight corridors along and within river and creek drainages. Because the project area is located within the Central Flyway, during spring and fall migration periods, the density of migrating birds, ranging in size from small Neo-Tropical songbirds to large raptors, can be extremely high, increasing the risk of bird aircraft strike hazards. Due to the number of resident and migratory birds in the area, their daily and/or seasonal movements can create various hazardous conditions for pilots.

Raptors (hawks, falcons, kites, eagles and vultures) are likely to be one of the most often encountered guilds in the area. These birds can be particularly hazardous to aircraft because of their size and widespread distribution. Raptors, particularly vultures, use thermals to their advantage to search for prey. These birds become active during mid-morning and remain aloft until late afternoon.

Please be aware that many birds are protected by the Migratory Bird Treaty Act (MBTA) which provides for a year-round closed season for non-game birds and prohibits the taking of migratory bird, nests, and eggs, except as permitted by the U.S. Fish and Wildlife Service (USFWS). The MBTA also imposes liability upon those who *unintentionally* violate the MBTA. Any habitat modification that includes clearing vegetation should be

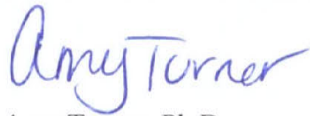


Mr. McGrath  
Page 3  
August 14, 2012

done outside of the migratory bird nesting season (which is April through July) in order to avoid or minimize potential impacts to migratory birds.

TPWD advises review and implementation of these recommendations. If you have any questions, please contact me at (361) 576-0022.

Sincerely,



Amy Turner, Ph.D.  
Wildlife Habitat Assessment Program  
Wildlife Division

/ajt: ERCS-1887



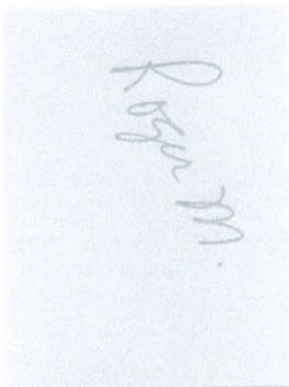


Texas Parks and Wildlife Department  
4200 Smith School Road  
Austin, Texas 78744-3291

RECEIVED AUG 15 2012

Roger McGrath  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, Texas 76137

*AYV-C2*



COMMUNICATIONS SECTION  
FEDERAL BUREAU OF INVESTIGATION  
24 AUGUST 2012 PM 11

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Environmental Assessment for Houston Optimization of Airspace and Procedures in the Metroplex  
From the Houston OAPM project mailbox

**NO COMMENT from National Park Service: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM) Environmental Assessment**

From: IMRextrev@nps.gov

Tuesday, August 14, 2012 11:32AM

To: 9-ASW-HoustonOAPMcomment/ASW/FAA

cc:

bcc:

Sent by: Crystal\_Salas@nps.gov

Mr. McGrath,

The National Park Service has no comment on the subject project.

Thank you and have a good day.

- Crystal Salas

---

Environmental Quality External Review Team  
National Park Service  
Intermountain Region (AZ, CO, NM, MT, OK, TX, UT, WY)  
IMRextrev@nps.gov



RECEIVED AUG 21 2012



**ALAN B. SADLER**  
**COUNTY JUDGE**  
**MONTGOMERY COUNTY**

501 N. Thompson, Suite 401  
Conroe, TX 77301  
E-Mail: [cjjudge@mctx.org](mailto:cjjudge@mctx.org)

Conroe: (936) 539-7812  
Houston: (281) 364-4200  
Fax: (936) 760-6919

August 15, 2012

Roger McGrath, Environmental Specialist  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, TX 76137

Subject: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM) Environmental Assessment – Early Notification and Consultation Package

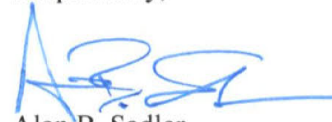
Dear Mr. McGrath:

Thank you for the opportunity to submit comments concerning the above referenced action. We are supportive of efforts to take advantage of new technology and streamline air traffic into and out of the Metroplex area, with the understanding that positive results may include more efficient use of airspace, less delays, and savings in aircraft fuel usage. As you are aware, a considerable area of Montgomery County falls within the Primary Study Area, and may be affected by any changes in aircraft routing that are proposed to occur below 10,000 feet above ground level (AGL).

Montgomery County has experienced exponential growth in population (over 450,000) and business activity for well over a decade and with that growth has come an increasing sensitivity to environmental impacts, especially in the more densely populated and recreational areas. Therefore, we believe it is important for the environmental assessment to consider whether there may be noise impacts to residents of Montgomery County who historically have not been impacted by aircraft arrival and departure routes.

**We request that any proposed changes to the flight tracks of current arrival/departure routes below 10,000 feet be depicted in the environmental assessment document on a map so that we may recognize any potential impacts.** Thank you for the opportunity to comment and we look forward to the release of the draft Environmental Assessment.

Respectfully,



Alan B. Sadler





**ALAN B. SADLER**  
**COUNTY JUDGE**  
501 N. Thompson, Suite 401  
Conroe, Texas 77301

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Certified Mail



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*CG-2*  
Roger McGrath  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, Texas 76137

CCXRSMP 76137







## United States Department of the Interior

## FISH AND WILDLIFE SERVICE

Division of Ecological Services  
17629 El Camino Real, Suite 211  
281/286-8282 / (FAX) 281/488-5882

February, 2012



RECEIVED AUG 21 2012

Thank you for your request for threatened and endangered species information in the Clear Lake Ecological Services Office's area of responsibility. According to Section 7(a)(2) of the Endangered Species Act and the implementing regulations, it is the responsibility of each Federal agency to ensure that any action they authorize, fund, or carry out is not likely to jeopardize the continued existence of any federally listed species.

Please note that while a Federal agency may designate a non-Federal representative to conduct informal consultation or prepare a biological assessment, the Federal agency must notify the U.S. Fish and Wildlife Service (Service) in writing of such designation. The Federal agency shall also independently review and evaluate the scope and contents of a biological assessment prepared by their designated non-Federal representative before that document is submitted to the Service.

A county-by-county listing of federally-listed threatened and endangered species that occur within this office's work area can be found at [http://www.fws.gov/southwest/es/EndangeredSpecies/EndangeredSpecies\\_Lists/EndangeredSpecies\\_Lists\\_Main.cfm](http://www.fws.gov/southwest/es/EndangeredSpecies/EndangeredSpecies_Lists/EndangeredSpecies_Lists_Main.cfm). You should use the county-by-county listing and other current species information to determine whether suitable habitat for a listed species is present at your project site. If suitable habitat is present, a qualified individual should conduct surveys to determine whether a listed species is present.

After completing a habitat evaluation and /or any necessary surveys, you should evaluate the project for potential effects to the listed species and make one of the following determinations:

**No effect** – the proposed action will not affect federally listed species or critical habitat (i.e., suitable habitat for species occurring in the project county is not present in, or adjacent to, the action area). No coordination or conduct with the Service is necessary. However, if the project changes or additional information on the distribution of listed or proposed species becomes available, the project should be reanalyzed for effects not previously considered.

**Is not likely to adversely affect** – the project may affect listed species and/or critical habitat; however, the effects are expected to be discountable, insignificant, or completely beneficial. Certain avoidance and minimization measures may need to be implemented in order to reach this level of effects. The Federal agency or the designated non-Federal representative should seek written concurrence from the Service that adverse effects have been eliminated. Be sure to include all the information and documentation used to reach your decision with your concurrence. The Service must have this documentation before issuing a concurrence.

**Is likely to adversely affect** – adverse effect to listed species may occur as a direct or indirect result of the proposed action or its interrelated or interdependent actions, and the effect is not discountable, insignificant, or beneficial. If the overall effect of the proposed action is beneficial to the listed species but also likely to cause some adverse effect to individuals or that species, then the proposed action "is likely to adversely affect" the listed species. An "is likely to adversely affect" determination requires the Federal action agency to initiate formal Section 7 consultation with this office.

Regardless of your determination, the Service recommends that you maintain a complete record of the evaluation, including steps leading to the determination of affect, the qualified personnel conducting the evaluation, habitat conditions, site photographs, and any other related articles. The Service's Consultation Handbook is available online to assist you with further information on definitions, process, and fulfilling Endangered Species Act requirements for your projects at [http://www.fws.gov/endangered/esa-library/pdf/esa\\_section7\\_handbook.pdf](http://www.fws.gov/endangered/esa-library/pdf/esa_section7_handbook.pdf).

If we can further assist you in understanding a federal agency's obligations under the Endangered Species Act, please contact Donna Anderson, Moni Belton, Kelsey Gocke, Jeff Hill, Charrish Stevens, or Arturo Vale at 281-286-8282.

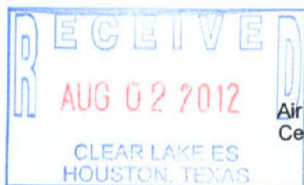
Sincerely,

  
Edith Erfling  
Field Supervisor





U.S. Department  
of Transportation  
**Federal Aviation  
Administration**



Air Traffic Organization  
Central Service Center

2601 Meacham Blvd.  
Fort Worth, TX 76137

ES  
Send to  
Clear Lake

July 20, 2012

Dr. Benjamin Tuggle, Regional Director - Southwest Region  
U.S. Fish & Wildlife Service  
500 Gold Avenue SW  
Albuquerque, NM 87102

**Reference: Houston Optimization of Airspace and Procedures in the Metroplex (OAPM)  
Environmental Assessment - Early Notification and Consultation Package**

Dr. Benjamin Tuggle,

This early notification letter is to inform you that the Federal Aviation Administration (FAA) intends to prepare an Environmental Assessment to consider the potential environmental impacts of the implementation of the Houston Optimization of Airspace and Procedures in the Metroplex (Houston OAPM) project.

A "metroplex" is a major metropolitan area with multiple airports, where heavy air traffic and environmental constraints combine to hinder efficient aircraft movement. The Houston OAPM project would improve the efficiency of the national airspace system in the Houston metroplex by optimizing aircraft arrival and departure procedures at a number of airports, including George Bush Intercontinental Airport (IAH) and William P. Hobby Airport (HOU). The project would involve changes in aircraft flight paths and altitudes in certain areas, but would not require any ground disturbance or increase the number of aircraft operations within southeast Texas airspace.

To evaluate potential environmental impacts of the Houston OAPM project, the FAA has established a Primary Study Area, consisting of the area within a 50 nautical mile radius of a point midway between IAH and HOU, to evaluate potential impacts of changes in aircraft routing that are proposed to occur below 10,000 feet above ground level (AGL). The following 19 counties, in part or in whole, are in the Primary Study area: Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Grimes, Hardin, Harris, Jefferson, Liberty, Matagorda, Montgomery, Polk, San Jacinto, Walker, Waller, Washington, and Wharton. The FAA has also established a Supplemental Study Area, consisting of the area within an 85 nautical mile radius of a point midway between IAH and HOU, to assess potential effects of changes in aircraft routing between 10,000 and 18,000 feet AGL. The Supplemental Study Area includes the 19 counties in the Primary Study Area plus an additional 16 Texas counties and two Louisiana parishes (in part or in whole, 35 counties and two parishes total). These include: Angelina, Brazos, Burleson, Fayette, Houston, Jackson, Jasper, Lavaca, Lee, Leon, Madison, Newton, Orange, Robertson, Trinity, Tyler, Calcasieu (Louisiana), Cameron (Louisiana). (See attached graphic for a depiction of the two study areas).

The FAA has begun preparation of the Environmental Assessment (EA) and intends to issue it in December 2012. The target date for publication of the Houston metroplex optimized procedures is December 12, 2013. We welcome your agency's input as we prepare the EA and we are sending this early notification letter for the following reasons:

1. To advise you of the initiation of the EA study



7/20/2012

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BY: \_\_\_\_\_
2. To request any background information that your agency may have regarding the study areas established for this EA
  3. To obtain an understanding of any issues, concerns, policies or regulations that your agency may have regarding the environmental analysis that will be undertaken in the EA, and
  4. To request that USFWS provide information pertaining to issues of particular concern to your mission. Of particular interest would be listings of protected species and the general location of their habitats.

In order to streamline data acquisition and reduce duplication of effort for each of the federal, state, and local agencies that could be involved in this National Environmental Policy Act (NEPA) process, we request that you or your designated representative provide FAA with the appropriate contact information and act as a single point of contact with your agency throughout the course of the EA study. This would entail disseminating information to the appropriate departments or individuals, and acting as the agency's coordinator for providing input to the study and consolidating comments on the study materials.

If you desire to provide comments to help us frame the environmental analysis, please provide them by letter or email, before August 20, 2012, at the following address:

**Roger McGrath, Environmental Specialist**  
**Operations Support Group**  
**2601 Meacham Boulevard**  
**Fort Worth, TX 76137**  
**(817) 321-7735 (tel)**  
**(817) 321-7744 (fax)**  
**e-mail address for comments:**  
**9-ASW-HoustonOAPMcomment@faa.gov**

FAA would like to thank you for your interest in this project and we look forward to working with your agency on this EA. If you have any questions about the information provided, please feel free to contact me.

Sincerely,



Roger McGrath  
Airspace and Environmental Specialist

Attachments:  
Federal Agencies Contacted  
Federal Lands Inventory  
Houston OAPM EA Study Areas



**U.S. DEPARTMENT OF THE INTERIOR**  
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Roger McGirath  
2601 Meacham Boulevard  
Fort Worth TX 76137

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TEXAS HISTORICAL COMMISSION

*real places telling real stories*

September 7, 2012

Roger McGrath, Environmental Specialist  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, Texas 76137

Re: *Project review under Section 106 of the National Historic Preservation Act of 1966,  
Houston Optimization of Airspace and Procedures in the Metroplex (OAPM) Environmental  
Assessment – Early Notification and Consultation Package, Houston, Harris County, Texas (FAA)*

Dear Mr. McGrath,


Thank you for your correspondence describing the above referenced project. This letter serves as comment on the proposed undertaking from the State Historic Preservation Officer (SHPO), the Executive Director of the Texas Historical Commission.

The review staff, led by Kelly Little and Linda Henderson, has completed its review of the material submitted, including the early notification letter and the Historic Places Inventory. Based on the information provided, it is our understanding that the Houston OAPM project will involve changes in aircraft flight paths and altitudes in certain areas in order to optimize aircraft arrival and departure procedures at George Bush Intercontinental Airport (IAH) and William P. Hobby Airport (HOU). The FAA has established a Primary Study Area consisting of the area within a 50-mile nautical radius of a point midway between IAH and HOU to evaluate potential impacts of changes in aircraft routing proposed to occur below 10,000 feet above ground level.

We look forward to reviewing the Environmental Assessment (EA) to be issued in December 2012. The OAPM undertaking will be subject to Section 106 of the National Historic Preservation Act of 1966, which requires that federal agencies take into account the effects of their undertakings on historic properties. We appreciate that you have taken the step of identifying historic resources that may potentially be affected by the project. As part of consultation under Section 106, the EA should address the effect of the proposed undertaking on those historic properties. An effect occurs when an action alters the characteristics of a property that qualify it for listing in the National Register of Historic Places, including changes to the property's location, design, setting, materials, workmanship, feeling, and association. An undertaking of this type would not have the potential to directly impact historic resources, so we will be interested in an analysis of indirect effects. The introduction of visual, atmospheric or audible elements that diminish the integrity of the properties' significant historic features would be considered to adversely affect the historic resources.

We look forward to further consultation with your office and hope to maintain a partnership that will foster effective historic preservation. Thank you for your cooperation in this federal review process, and for your efforts to preserve the irreplaceable heritage of Texas. **If you have any questions concerning our review or if we can be of further assistance, please call Kelly Little at 512/463-7687.**

Sincerely,

  
Kelly Little, Project Reviewer  
For: Mark Wolfe, State Historic Preservation Officer

MW/kl

cc: Janet Wagner, Chair, Harris County Historical Commission







IN REPLY REFER TO:

## United States Department of the Interior

### BUREAU OF LAND MANAGEMENT

New Mexico State Office

P.O. Box 27115

Santa Fe, New Mexico 87502-0115

[www.blm.gov/nm](http://www.blm.gov/nm)



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RECEIVED <sup>Sep</sup> ~~Aug~~ 17 2012

September 10, 2012

Mr. Roger McGrath, Environmental Specialist  
Operations Support Group  
2601 Meacham Boulevard  
Fort Worth, TX 76137

Dear Mr. McGrath:

Thank you for notifying our agency that the Federal Aviation Administration (FAA) will be undertaking a study in the Houston area. The role of the Bureau of Land Management (BLM) in Texas is to make federal mineral estate available for leasing as per the Mineral Leasing Act of 1920, as amended. All of the federal mineral estate administered by the BLM in east Texas underlies lands that are managed by another federal agency, such as the U.S. Forest Service or the U.S. Army Corps of Engineers. When leasing federal mineral estate in Texas, the BLM follows the management prescribed by the federal agency that manages the lands. Because the BLM's interest in east Texas is primarily sub-surface mineral estate, we do not have any comments on the FAA's proposed study in the Houston area. However, we thank you for making us aware of the project and we appreciate having the opportunity to provide comments.

Please feel free to contact me if you have further questions at (505) 954-2180 or [mgbarnes@blm.gov](mailto:mgbarnes@blm.gov).

Sincerely,

Melanie G. Barnes  
Planning & Environmental Coordinator

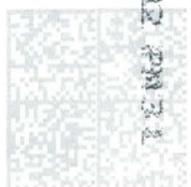
cc:  
NM040, Oklahoma Field Office



UNITED STATES  
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Mr. Roger McGrath  
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